

POINT RUSTON

5219 N. SHIRLEY ST. SUITE 100 RUSTON, WA 98407

RECEIVED

MAR 25 2013

OFFICE OF
ENVIRONMENTAL CLEANUP

March 15, 2013

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 201, February 2013
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,



Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Peter Striplin - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay
Mike Oelrich - Hydrometrics, Inc.



Monthly Report 201, February 2013
Operable Unit 02
Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Point Ruston personnel and its contractors hosted numerous meetings and conversations with EPA over the month of February, along with many electronic communications related to varying aspects of the project. Work continued on many various RA tasks, including work associated with the following projects:

- Phase 1 CMP
- Waterwalk CMP
- Temporary Cap & Storm Water Management Plan
- Sequence of Development Plan & Occupancy Plan
- Occupancy Air Monitoring Plan
- Long Term OMMP
- CC&Rs
- Metro Parks Peninsula Park CMP
- DNR Sediment Cap RA

Point Ruston specifically met with EPA on February 8, 2013 for a coordination meeting.

2. Point Ruston continues to conduct Air Monitoring per the approved plan under the CH&SP. A new air monitoring plan related to occupancy of the site will be implemented under the SDOP as part of Phase 1 occupancy. Point Ruston is in the process of installing the additional hi-vols and has purchased additional real-time monitors. A real time "E-Sampler" monitor was co-located with the hi-volume located at the south gate/nursery location in advance of the opening of Stage 1 of the Waterwalk.
3. Point Ruston and its contractors continued construction of the improvements associated with Phase 1 CMP. Point Ruston has completed and submitted the final Phase 1 RA Construction Report and has submitted a Phase 1 Occupancy plan, which includes a specific Contingency Plan for residential occupants.
4. Point Ruston submitted a plan for opening the Waterwalk to public access and use, which includes a Contingency Plan for such public access and use. The Waterwalk RA Construction Report was submitted in January. Point Ruston plans to open the Stage 1 area of the Waterwalk in February, with the remainder of the Waterwalk open in coordination with occupancy of the Phase 1 CMP area (Copperline Apartments).

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5. Point Ruston continued to perform all site maintenance and monitoring, including all requirements under the Site Wide Construction Health and Safety Plan.
6. Point Ruston continued weekly site-inspection reports (see attached).
7. Point Ruston maintained clean work areas and roads, including fencing and CRZ connections between site units.
8. Point Ruston conducted training activities for site visitors and workers, including the following:
 - Site Safety Orientations (Clean Zone) were held for:
 - i. Two hundred thirty (230) site visitors and personnel of various companies
 - HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - i. One (1) University of Washington student intern
 - ii. One (1) GeoResources employee
 - HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. Sixteen (16) Olson Brothers employees
 - ii. One (1) ESM Consulting Engineers employee
 - Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
 - i. One (1) CH2MHill employee
 - ii. One (1) GeoResources employee
 - iii. Two (2) ESN Northwest employees
 - Other relevant monitoring or training was verified or completed by personnel of the following companies:
 - i. Fifteen (15) Olson Brothers employees (Medical Surveillance)
 - ii. Sixteen (16) Olson Brothers employees (Heat Stress Awareness)
 - iii. Two (2) DM Kelly employees (Medical Surveillance)

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Storm water Outfall sampling, data and related activities include the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston

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to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned. The South outfall was abandoned on February 15th, 2013 (see note below).

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North and South Outfalls, Point Ruston monitors an existing upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston from the outfall locations on February 11th, 18th, 25th and March 4th. Results from samples collected are attached. There were no exceedances.

NOTE: Point Ruston completed the demolition of the South Outfall building on February 14th and filled the outfall structure with concrete, permanently abandoning it on February 15th. References to sampling at the South Outfall will be removed from future monthly reports.

2. OCF leachate sampling, data, disposal and related activities include the following:

Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. The OCF OMMP requires inspections to correspond with monthly, quarterly, or semi-annual reporting intervals as specified by the Response Action Plan. However, Point Ruston inspects LCRS and LDCRS volumes daily. LCRS volumes currently average approximately 95 gallons per day. Point Ruston currently ships 4,700-5,000 gallons approximately every 50 days. Leachate disposal was not required in February.

3. Air Monitoring, sampling, data and related activities include the following:

Point Ruston performs perimeter air monitoring for arsenic and lead analysis at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston does not conduct perimeter air monitoring during wet weather events that cause wet site conditions when there are no soil disturbing activities. Additional

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gravimetric analysis for Total Suspended Particulates (TSP) is being conducted at the South Gate location on a temporary basis. Results for samples collected January 28th through March 1st are attached. There were no exceedances.

Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1) (a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in February.

Point Ruston is temporarily performing monitoring for total suspended particulates (TSP) with a trigger level of 81 $\mu\text{g}/\text{m}^3$. A single real-time dust monitor has been paired with the South Gate perimeter air monitor. TSP data is evaluated and recorded daily. A long-term dust monitoring network is slated for delivery and setup in March. There were no TSP exceedances in February.

4. Methane gas monitoring sampling, data and related activities include the following:

Point Ruston performs subsurface methane gas monitoring pursuant to the EPA approved "Building 2B Sampling & Analysis Plan – Subsurface Gas Monitoring Activities" plan. In 2009 a passive gas extraction system was installed in conjunction with the 2B-West building foundation. Four (4) vent pipes were roughed-in through the floor slab. In 2011 Point Ruston installed four (4) gas monitoring wells within the future boundaries of the 2B-East foundation and began monitoring for methane at all eight (8) locations (4 passive vent pipes; 4 wells). Sampling at these locations has been ongoing, pursuant to ASTM E2600. On October 9, 2012 the four (4) gas monitoring wells within the boundaries of the 2B-East building foundation were plugged and abandoned. Methane monitoring for the month of February was conducted at the remaining four (4) locations of the passive gas extraction system under the 2B-West building foundation. The Gas Monitoring Data Log and field worksheet for the month of February are attached. No methane has been detected to date. Methane monitoring of the passive extraction system will continue.

On February 27, 2013 Point Ruston installed four (4) gas monitoring wells within the future boundaries of the 1B foundation and will commence monitoring activities in March.

5. Miscellaneous soil sampling, data and related activities include the following:

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Point Ruston performs miscellaneous on-site soil sampling related to its various ongoing RA work and development. Analysis results are attached.

- Soil sampling was conducted on February 5th from common borrow gravel imported by barge.
- Soil sampling was conducted on February 11th from the haul road dividing TIC area 3.
- Soil sampling was conducted on February 11th and 14th from bore-hole tailings at the yacht club drilling project.
- Concrete sampling was conducted on February 13th from the concrete wall near the west side of lot 12.

C. Work Plans and other deliverables completed and submitted during the previous month.

1. Plans and Documents included the following:

Temporary Cap Plan & Site-Wide Storm Water Plan

EPA approved the conceptual temporary cap plan and storm water plan, including plans and specifications, and approved the installation of the system on the south end of the site. A formal Temporary Cap and Site-Wide Storm Water Plan has been updated and has been resubmitted in January, construction continues on the areas previously approved by EPA. An updated Temporary Cap Plan & Site-Wide Storm Water Plan was submitted on February 8, 2013 during EPA Coordination Meeting.

Construction Health & Safety Plan v.6 (CH&SP)

Point Ruston submitted an updated version 6 of the CH&SP and is awaiting EPA comments.

Waterwalk CMP

This plan was approved by EPA. Point Ruston has responded to final comments from the City of Tacoma. A plan for opening the Waterwalk to public access and use has been submitted in January, which includes a Contingency Plan for such public access and use. The Waterwalk Access and Use Plan was submitted on December 6, 2012. The RA work along the Waterwalk is complete and Point Ruston is finalizing some of the last aspects of the public amenities, working on the Waterwalk RA Construction Report, and plans to open the Stage 1 area on March 1st. Stage 2 access and use is

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tentatively scheduled to coordinate with the opening of the Copperline project being built under the Phase 1 CMP.

Phase 1 Construction Management Plan (CMP)

Point Ruston submitted minor updates to the Phase 1 CMP to EPA on 12/19/2012, for which we received EPA approval on 2/11/13. Point Ruston has submitted a Final Phase I RA Construction Report in January, which has been approved by EPA. The Phase I Occupancy Plan has also been submitted, which includes a specific Contingency Plan for residential occupants.

Master Infrastructure CMP (MICMP)

Construction of the MICMP is substantially complete, with minor punch list items being completed. Point Ruston submitted a design addendum related to the abandonment of the tunnel. Point Ruston will submit a draft construction report to EPA for its review and final inspection related to Certification of Completion for this phase of work, which include a final opportunity to review final as-builts. This Draft Construction Report will seek Certification of Approval for the RA completed on this Phase of the Site.

Ruston Way CH&SP Plan

Completed and submitted to EPA for Ruston Way opening. Approved, and roadway opened in June 29th. EPA granted formal, written approval of the plan on 12/18/2012.

Sequence of Development and Occupancy Plan (SDOP)

The SDOP submitted to EPA, to include a new Contingency Actions section, per EPA request. EPA has responded with comments and an updated plan has been submitted to EPA on February 8th. The plan includes an updated occupancy air monitoring plan, as well as all other health and safety measures that are to be incorporated in all future CMPs for future occupancy procedures.

Operations Maintenance and Monitoring Plan (OMMP)

The OMMP was submitted to EPA on 09/04/2012. Point Ruston has received EPA comments on 02/27/13 and is working on a response at this time. Point Ruston did enter into a final cost sharing agreement with the City of Tacoma regarding the extra-ordinary costs associated with O&M of the public components associated with the MICMP.

CC&Rs

The environmental CC&Rs were submitted to EPA on 09/04/2012. Point Ruston is awaiting final approval.

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Biological Assessment South Outfall Construction (Edwards Street)/ BA South Outfall Flow (Edwards Street)

The BA was completed and approved, and the outfall was successfully constructed. The City of Tacoma has approved the final design on 2/15/13. Point Ruston will complete this work in a coordinated effort with the Sediment Capping RA.

BA Shoreline Stabilization RA

Post-inspection completion report has been drafted and will be submitted to EPA following final armoring conducted as part of the MICMP.

Sediment Capping RA

Point Ruston submitted updates to the plans and specifications to reflect new terms of DNR agreements on 12/19/2012 and EPA approved this RD on 12/19/2012 upon issuance of its Water Quality Certification. Point Ruston and EPA finalized the plans and specs and this project is scheduled to be implemented during the current fish window. Notice sent to USCG on 12/19/2012, and construction is set to begin on January 2, 2013. A pre-construction meeting including EPA, Point Ruston's contractor Pacific Pile & Marine, the IQAT team from Anchor QEA, and the design engineers from Hydrometrics was held on 12/27/2012. Work began Jan 14, with the contractor mobilizing-in & debris removal taking place. On 01/16/2013 rip rap material placement began.

Point Ruston has been providing daily Construction Reports and site survey results as the work on this project continues and is near completion. On 2/13/13, EPA issued an Amendment to the Water Quality Certification, which extends the term for Point Ruston's work window through 03/08/13. Point Ruston will be submitting a draft Construction Report, Sediment Phase at the 3/15/13 meeting, as required to receive a Certification of Completion for this work.

Peninsula Park CMP

Peninsula Park CMP was submitted to EPA on 09/04/2012. Pre-construction work will begin in anticipation of final Peninsula Park CMP approval, with preliminary grading and SAP of import materials being conducted first. EPA submitted comments to Point Ruston on 10/9/2012, and Point Ruston responded to EPA on 10/10/2012. Point Ruston held a preconstruction meeting on 10/11/2012. EPA submitted additional comments to Point Ruston on 12/04/2012. Point Ruston will resubmit revised CMP addressing EPA comments. Point Ruston began construction of the subgrade for Yacht Club Road, as well as completed the final digging and hauling of sub grade

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materials for the Peninsula. Work has been delayed due to wet weather, but it is anticipated that it should be complete in the spring.

2. Remedial Action included the following tasks:

OCF construction activities:

Maintained leachate collection system; Inspected storm drain system, vaults and cover; Maintained the temporary storage area, related to site-wide grading and Temporary Cap construction. Point Ruston agreed with the Town of Ruston to move the materials and equipment away from the frontage of The Commencement apartment building. Material and equipment relocating has begun and will continue as weather and resources allow.

Stack Hill construction activities:

Maintain lot grading and final cover in clean, final RA form.

Phase 1 CMP

Continued RA construction of utility connections and final roadway subgrade for permanent cap subgrade, including along view corridors and Main Street. Completed footing construction of 2B-East foundation and commenced plumbing groundwork. Point Ruston received EPA approval on 2/11/13 and is currently working to complete a Phase 1 CMP Final Construction report.

Waterwalk CMP

Completed work and ready for March 1st opening of Stage 1 for public access and use. Work is ongoing, including construction of the lateral spreader storm water system, and completion of the liner, marker layer and cover soils along the extent of the project. Final prep for public amenities foundations is on-going, as is installation of the buffer and perimeter fencing. Final RA is complete. Establishment of rock monuments and install tile mosaic hardscapes continues, and BMPs and CH&SP zones are continuously monitored and maintained. Drafting for the Draft Construction Report has begun, and ESM conducted final surveying on January 24th to 25th. A pre-certification inspection is proposed for early February to begin the process for finalizing a Certification of Completion.

Temporary Impervious Cap and Construction Storm Water Management Plan

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Implement the cap in conjunction with the opening and use plan for the Waterwalk, and work westward across the site to implement the temporary cap. Approximately 30% of the TIC has been completed, and the remainder of the HDPE materials have been ordered for final install of the entire Temporary Impervious Cap (TIC). The final TIC Plan has been updated and has been submitted to EPA for its final approval on 2/8/13; however, work has continued in those areas of the Site approved by EPA for TIC installation.

Site-wide remediation/redevelopment activities:

- Continued surface water controls
- Maintained onsite haul roads and stockpiles
- Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing.
- Continued site-wide dust monitoring and control through site and access road watering, as needed.
- Maintained air-monitoring program per CH&SP requirements
- Continued to maintain Ruston Way Construction Health and Safety protocols, including air monitoring, dust suppression, buffer zone maintenance, fencing and signage.

D. Actions scheduled for the next six weeks.

1. Point Ruston to maintain the Ruston Way Health and Safety protocols, including applying tacifier to all buffer areas with exposed soils, and continuing to monitor for dust.
2. Point Ruston to continue construction of Waterwalk CMP improvements and work to open the First Stage to public occupancy as a test of the site wide SDOP and Institutional Controls.
3. Point Ruston and EPA finalizing RD approvals for the following plans and documents:
 - Sediment Cap Draft Construction Report
 - Phase 1 Draft Construction Report
 - Peninsula Park CMP
 - OMMP
 - SDOP
 - Temporary Cap Plan and SWP
 - CH&SP v.6

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4. Continue construction of Temporary Cap and Site Wide Storm System, including construction of swales and anchor trenches, as well as layout of interim storm water system, temporary liner(s) and cover system. Ordering of all materials will be finalized and with cooperating weather the TIC will be installed
5. Continue CH&SP air monitoring during RA activities also TSP sampling and analysis and correlating the data for eventual data-ram analysis during occupancy.
6. Continue to implement terms of the settlement with Metro Parks Tacoma and the State of Washington regarding the off-site remedial action required under the Consent Decree.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance, and maintain roads and landscaping, including mowing, and keep and maintain the landscaping.
- b. Continue sales & marketing efforts for custom home construction

Site-wide construction activities:

- a. Maintain roads and stockpiles onsite
- b. Maintain erosion controls
- c. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.
- d. Maintain erosion control BMPs and CH&SP standards

Phase 1 CMP

- a. Continue vertical construction
- b. Continue utility construction
- c. Continue roadway construction
- d. Continue final cap RA construction
- e. Maintain erosion control BMPs and CH&SP standards
- f. Prep for first residential occupancy

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Waterwalk CMP

- a. Continue construction of Waterwalk improvements, finalizing First Stage for public access and use and prepping for next stage to open for public access and use.
- b. Maintain erosion control BMPs and CH&SP standards

Temporary Impervious Cap and Construction Storm Water Management Plan

- a. Continue final mass grading
- b. Storm water construction
- c. Installation of temporary cap materials, including liner(s) and gravel or sandbag cover system

Sediment Cap RA Construction

- a. Continue all Cap construction activities.

E. *Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.*

Completion of EPA negotiations on RA schedule modifications and associated matters. Weather continues to hamper full installation of the TIC.

F. *Modifications to work plans or schedules proposed to or approved by EPA.*

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston and EPA agreed to begin final negotiations of a Consent Decree amendment to include updates to the SOW Schedule, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site. Discussions are on-going.

G. *Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.*

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.

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2. Point Ruston continues negotiations, design and conclusion of the sale of Waterwalk property and finalizing of the LID assessment roles with the City of Tacoma.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and Metro Parks to address operation, maintenance, and monitoring issues at the site, including the Waterwalk area which ultimately will be sold to the City of Tacoma and maintained under contact by Metro Parks Tacoma.

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WEEKLY
SITE
INSPECTION
REPORTS

Reference	Date	Description
GEN2013-0203	02/03 – 02/09	General Site Weekly Inspection Report
SH2013-0203	02/03 – 02/09	Stack Hill Weekly Inspection Report
STR2013-0203	02/03 – 02/09	Streets Weekly Inspection Report
TIC2013-0203	02/03 – 02/09	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0203	02/03 – 02/09	Waterwalk Weekly Inspection Report
PEN2013-0203	02/03 – 02/09	Peninsula Weekly Inspection Report
GEN2013-0210	02/10 – 02/16	General Site Weekly Inspection Report
SH2013-0210	02/10 – 02/16	Stack Hill Weekly Inspection Report
STR2013-0210	02/10 – 02/16	Streets Weekly Inspection Report
TIC2013-0210	02/10 – 02/16	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0210	02/10 – 02/16	Waterwalk Weekly Inspection Report
PEN2013-0210	02/10 – 02/16	Peninsula Weekly Inspection Report
GEN2013-0217	02/17 – 02/23	General Site Weekly Inspection Report
SH2013-0217	02/17 – 02/23	Stack Hill Weekly Inspection Report
STR2013-0217	02/17 – 02/23	Streets Weekly Inspection Report
TIC2013-0217	02/17 – 02/23	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0217	02/17 – 02/23	Waterwalk Weekly Inspection Report
PEN2013-0217	02/17 – 02/23	Peninsula Weekly Inspection Report
GEN2013-0224	02/24 – 03/02	General Site Weekly Inspection Report
SH2013-0224	02/24 – 03/02	Stack Hill Weekly Inspection Report
STR2013-0224	02/24 – 03/02	Streets Weekly Inspection Report
TIC2013-0224	02/24 – 03/02	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0224	02/24 – 03/02	Waterwalk Weekly Inspection Report
PEN2013-0224	02/24 – 03/02	Peninsula Weekly Inspection Report



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0203

Week of: ^(MM) 02 / ^(DD) 03 - ^(MM) 02 / ^(DD) 09, 2013 Inspector: Tim Russett

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓			✓	✓	SILT FENCE DOWN BY W.M. PLAZA + CRZ (REPAIRED)
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓				✓	
Weeds	✓				✓	
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓				✓	
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓				✓	
Zone Separation	✓			✓	✓	POWER TRENCH AT PLAZA NEEDS EZ FENCE (HARRY)
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0203
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: 2/6/13 - SPECIAL ATTENTION TO REPAIRING E.Z. FENCE AT 2A STORAGE.
 2/6/13 - 2ND REVIEW W/ CONTRACTOR ABOUT SAFETY PROTOCOL RUNNING EQUIPMENT AT PEDESTRIAN-WORKER CROSSINGS NEAR 2A
 2/9/13 - NOT NOTED OF DIRTWORK SCHEDULED FOR THIS DATE. NO VISIBLE DIRT AT END OF WORKDAY (3 PM)
 VEGG WET + MURKY CONDITIONS
 STACK HILL - FOUNDATIONS STARTING ON LOTS 4 + 28

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	3	Ø	1	Ø	14-Hr. Avg. 7 µg/m ³ No Activity
Mon	4	3	1	Ø	24-Hr. Avg. 8 µg/m ³ SEDIMENT CAPPING / GRADING YACHT CLUB RD / 2A 2B UTILITY TRENCH
Tue	5	3	1	Ø	24-Hr. Avg. 2 µg/m ³ / REPLACE BENCHES + CONCRETE OCF VENT H/VOL SEDIMENT CAPPING / OFFLOAD LARGE #55 / 2B-E FOUNDATION WORK
Wed	6	(2)	1	Ø	14-Hr. Avg. 2 µg/m ³ (POWER OUTAGE) / EXCAVATING S.H. #28 SEDIMENT CAPPING / YACHT CLUB RD. GRADING / 2A-2B UTILITY TRENCH
Thu	7	3	1	Ø	24-Hr. Avg. 5 µg/m ³ / REPLACE BENCHES + CALIBRATE S.H. VOL (VOIDED FILTER) SEDIMENT CAPPING / 2B-E FOUNDATION WORK / 2A 2B UTILITY TRENCH
Fri	8	3	1	Ø	24-Hr. Avg. 6 µg/m ³ / WATERWAYS FENCE / UTILITY SEDIMENT CAPPING / GRADING TIC 3 / 2A 2B UTILITY TRENCH
Sat	9	Ø	1	Ø	24-Hr. Avg. 4 µg/m ³ SEDIMENT CAPPING / TIC 3 GRADING

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	3	37	48	SE	1	11	.01	EVENING SHOWER
Mon	4	43	53	SE	1	7	.01	AFTERNOON SHOWER
Tue	5	43	51	SSE	3	11	.14	MORNING RAIN / AFTERNOON SHOWERS
Wed	6	42	51	SSE	2	9	.11	MORNING + AFTERNOON SHOWERS
Thu	7	37	51	S	2	12	.07	EARLY MORNING RAIN
Fri	8	36	49	ENE	1	4	Ø	
Sat	9	39	53	E	1	4	Ø	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 2/11/13 SIGNED: TO

H&S OFFICER: DATE: 2/11/13 SIGNED: [Signature]



STACK HILL

Weekly Site Inspection Report No. SH 2013- 0203

Week of: 02/03 - 02/09, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	Needs cleaning
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	Red curb Needs paint
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	Utilities Post are down
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas						
Fencing:						
4' Site Perimeter	NA	NA	NA	NA	NA	
6' Temp. Panels	✓				✓	One Panel on the ground
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓			✓	✓	See Misc. Notes
Utilities			✓	✓	✓	
Survey Stakes	✓				✓	
Retaining Walls:						
Baltimore	✓				✓	Bldg. Materials
Lots 22/23/24	✓				✓	

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

There is New construction c. lots #28 & #4; Bldg. materials & Heavy Equipment on site. There are several utilities post down - Namely the (Sewer Post); in lots #18, #10, #12, #8, #22, Marking Post are down c. lots #2 & #36
Silt fence @ the corner of Villard St & Commercial?
Tree limbs on Stack Hill Near fence line,
Utility boxes on Baltimore?

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02-08-2013

SIGNED: Harry J. S.

H&S OFFICER: DATE: 02/11/13

SIGNED: [Signature]



Weekly Site Inspection Report No. **STR 2013- 0203**

Week of: 02 103 - 02 109, 2013

Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter						
CBs						
Filterras						
Sidewalks:						
Paint						See misc. Notes
Crossings						
Bollards						
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond - West	✓				✓	Checked & lube locks
Cooling Pond - North	✓				✓	
Lot #12	✓				✓	
Lot #10 - West	✓				✓	
Lot #10 - North	✓				✓	
BNSF - A	✓				✓	
OSW02	✓				✓	
Grand - East	✓				✓	
Grand - West	✓				✓	
Cascade	✓				✓	
Yacht Club - North	✓				✓	
Yacht Club - South	✓				✓	

Other:	Good	Fair	Poor	Yes	No	
Roundabouts	✓				✓	
Jersey Barriers						
Baltimore Bridge	✓				✓	

Misc. notes:

Replaced Sandbag on barricade @ Yacht Club N. gate

Grand Ave. Barricades have been Removed

Construction Material on S. end of Ruston Way sidewalk.

Sidewalk Marked for Replacement.

Tree Removal West side of Ruston Way.

BLDG. Materials; trip hazards @ Cooling Pond.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02-08-2013 SIGNED: Harry J. [Signature]

REVIEWED: DATE: 2/11/13 SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013-0203

Week of: 02 103-02109, 2013

Inspector: KEVIN TURNER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Area A								
Geomembrane								No TIC
Gravel Cover								
Edge Anchorage								BARE SOIL w/ VEGETATION
Drainage	✓					✓		TACKIFIER BUFFER
Area B								
Geomembrane								No TIC
Gravel Cover								
Edge Anchorage								Grass Cover
Drainage	✓					✓		TACKIFIER BUFFER
Area C								
Geomembrane								No TIC
Gravel Cover								
Edge Anchorage								BARE SOIL w/ VEGETATION
Drainage								TACKIFIER BUFFER
Area D								
Geomembrane								No TIC
Gravel Cover								
Edge Anchorage								BARE SOIL w/ VEGETATION
Drainage								SOME GRADING NEAR PLAZA
Area E								
Geomembrane								No TIC
Gravel Cover								
Edge Anchorage								BARE SOIL
Drainage								PRE TIC GRADING ON ENTIRE LOT
Area F								
Geomembrane	✓			✓		✓		40 ML
Gravel Cover	✓			✓		✓		SAND BAGS
Edge Anchorage	✓			✓		✓		GRAVEL
Drainage	✓			✓		✓		CONNECTED TO STORM DRAIN
Area G								
Geomembrane	✓					✓		COVER COMPLETED
Gravel Cover	✓					✓		
Edge Anchorage	✓					✓		
Drainage		✓				✓		PONDING ON SOME PLACES

(x2)

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 0203
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Area H								
Geomembrane	✓						✓	90% OF EDGE ANCHORAGE COMPLETE
Sand Bag Cover	✓						✓	
Edge Anchorage		✓					✓	
Drainage		✓					✓	
Area I								
Geomembrane	✓						✓	WATER HOSE Laid ACROSS TIC PONDING ON EDGES COVER COMPLETED
Sand Bag Cover	✓						✓	
Edge Anchorage	✓						✓	
Drainage		✓					✓	
Area J								
Geomembrane								No TIC BARE CLEAN SOIL AREA DRAINS TO SWAMP
Gravel Cover								
Edge Anchorage	✓			✓			✓	
Drainage	✓						✓	

Misc. notes: AREA I PONDING STILL THERE BY THE DRAIN

2/6/12 WIND + RAIN EVENT OVERNIGHT (PM)
 MOST PONDING IS IN AREA (I)
 PLAN TO SWEEP AREAS OF MODERATE PONDING WHEN
 FORECAST IS FOR NO RAIN IN NEXT 24-48 HRS.

NOTE: TWO INSPECTIONS THIS WEEK DONE ON SINGLE FORM.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 7 FEB 2013 SIGNED: Kevin Turner

REVIEWED: DATE: 2/7/13 SIGNED: [Signature]

(x2)



WATERWALK

Weekly Site Inspection Report No. WW 2013- 0203

Week of: 02/03 - 02/09, 2013

Inspector: KEVIN TURNER

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths: Asphalt Gravel	✓				✓	NEED TO BE CLEANED AT FERRY AREA WATERWALK & DOWN TO INTERSECTION #1
Signage: Trespass Advisory (Other)	✓				✓	SIGNS REPLACED NEED TO BE REPLACE w/ LARGER SIGNS
Street Lights: Junction Boxes Poles Bulbs Banners	✓				✓	INSTALLING LIGHT FIXTURES NO BANNERS/INSTALLING 2/7 (SEE NOTES)
Storm Drains: Area Drains Clean Outs	✓				✓	
Octopus: Tile Grout Paint	✓				✓	WATER HOSE ON PAINTED SURFACE NEEDS CLEANING
Intersection #1: Tile Grout Paint	✓				✓	WORK BEING DONE ON TILE & GROUT GROUT+TILE FINISHED NEEDS CLEANING (SEE NOTES)
Intersection #2: Tile Grout Paint	✓				✓	TILE & GROUT W/ IN PROGRESS NEED CLEANING
Intersection #3: (14) Tile Grout Paint						NO TILE DEBRIS NEEDS TO BE MOVED NO GROUT NO PAINT
Intersection #4: 3 Tile Grout Paint		✓			✓	FENCE IS DOWN AREA NEEDS CLEANING
Sprinkler: Heads Valve Boxes	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

	Good	Fair	Poor	Yes	No	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Hardware:						
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓				✓	
Gates:						
Ferry – South	✓				✓	
TIC – I/H	✓				✓	
Intersection #1	✓				✓	
Intersection #2	✓				✓	
Intersection #3	✓					N/O GATE @ #3
Grand Plaza	✓				✓	N/O GATE
Intersection #4	✓				✓	
Peninsula - North						
Grand Plaza:						
Lights	✓				✓	NOT IN
Concrete	✓				✓	LIGHT POLE ON STEPS
Rails	✓				✓	CONSTRUCTION MATERIAL & EQUIPMENT LEFT
Big Toy:						
Block Wall	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:						
Coyotes	✓				✓	
Tide Pool	✓				✓	

Misc. notes: BLEACHER AREA NEEDS TO BE CLEANED ASPHALT TOO
 CHAIN LINK FENCE DOWN BETWEEN INTERSECTION #2 & 3
 PATH - WALKING NEEDS TO BE CLEANED. BARRIERS ARE CUT
 INTERSECTION #1 NEEDS TO BE CLEANED. RUST STAINS ON PATH
 TOOL BOX & MATERIAL NEEDS TO BE MOVED

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

7 FEB 2013

SIGNED:

Kevin Turner

REVIEWED: DATE:

2/7/13

SIGNED:

[Signature]



PENINSULA

Weekly Site Inspection Report No. PEN 2013-0283

Week of: 02/03 - 02/09, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	
Exclusion Zone	✓				✓	
Silt	✓				✓	
Source Area:						
Drainage	✓				✓	
BMPs	✓				✓	
Equipment	✓				✓	
Metro Parks Materials	✓				✓	
Haul Road:						
Road Base	✓				✓	
Gravel Cover	✓				✓	
Drainage	✓				✓	
Metro Parks Materials	✓				✓	
Peninsula Liner:						
Geomembrane						
Gravel Cover						
Marker Fabric						
Drainage	✓				✓	
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall	✓				✓	

Misc. notes:

NO SIGNIFICANT ACTIVITY

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

2/11/13

SIGNED:

[Signature]

H&S OFFICER: DATE:

2/11/13

SIGNED:

[Signature]



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 0016

Week of: 02/12 - 02/12, 2013 Inspector: T. R. Rutter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						(SEE MISC. NOTES)
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓				✓	
Weeds	✓				✓	
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓				✓	
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓				✓	REPAIRED WIND DAMAGE AT YACHT CLUB + PASTOR WAY
Zone Separation	✓				✓	CONTINUED REPAIRS + MAINTENANCE
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-021W
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: INSTALLED GATES AT GRAJD AVE (MOTOR & SENSORS)

2/13/13 STAN H. - RESIDENT REQUESTED TO NOBODER THAT SUSPICIOUS PERSONS SEEMED TO BE CHECKING OUT STREETLIGHTS AT 9PM (3/12) THEN RETURNED AT 1130 A.M. NOTHING SEEMED AMISS

2/14-15: NEIGHBOR SW OF SITE BURNED DEBRIS IN YARD FOR 3 DAYS + 2 NIGHTS. NOTES: STRONG WINDS DAMAGED MORE E.Z. FENCE THAN USUAL. EXTRA EFFORTS MADE TO REPAIR FENCES ON WED & THUR.

3/15/13 - FILLED & ABANDONED S. OUTFALL STRUCTURE

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	10	0	0	0	24-HR. AVERAGE 6 ug/m ³ NO ACTIVITY
Mon	11	3	1	0	24-HR. AVG. 4 ug/m ³ / TIC 3-4-5 UNDER INSTALL SEDIMENT CAPPING / 2A-2B UTILITY TRENCH / TIC 3 GRADING
Tue	12	3	1	0	24-HR. AVG. 2 ug/m ³ / TIC 3-4-5 UNDER INSTALL SEDIMENT CAPPING / 2A-2B UTILITY TRENCH / TIC 3 GRADING
Wed	13	3	1	0	24-HR. AVG. 6 ug/m ³ / TIC 3-4-5 UNDER INSTALL SEDIMENT CAPPING / 2A-2B UTILITY TRENCH / CONCRETE SAMPLING #12
Thu	14	3	1	0	24-HR. AVG. 3 ug/m ³ / HOUSE ON SW SIDE OF BN / BURNING BRUSH (SMOKE) SEDIMENT CAPPING / 2A-2B UTILITY TRENCH / DITCH S. OUTFALL BLIND
Fri	15	3	1	0	24-HR. AVG. 4 ug/m ³ / NEIGHBOR MAKING SMOKE PILE AGAIN SEDIMENT CAPPING / 2A-2B UTILITY TRENCH / ABANDON S. OUTFALL
Sat	16	3	1	0	24-HR. AVG. 2 ug/m ³ / VISIBLE SMOKE IN AIR AT S. END (COOL AT OFF-HOUS) SEDIMENT CAPPING / GRADING TIC AREAS 4 & 3

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	10	37	48	E	1	4	0	
Mon	11	38	48	SSE	1	6	0	
Tue	12	41	51	SSE	3	15	.04	MORNING SHOWERS
Wed	13	44	49	SE	3	15	.04	MORNING RAIN
Thu	14	41	48	SE	1	7	.01	AFTERNOON SHOWER / SMOKE
Fri	15	39	55	E	1	7	0	SMOKE
Sat	16	39	53	SE	4	20	.01	AFTERNOON SHOWERS / AM, SMOKE

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 2/18/13

SIGNED: FR

H&S OFFICER: DATE: 2/19/13

SIGNED: [Signature]



Weekly Site Inspection Report No. SH 2013- 0210

Week of: 02/10 - 02/16, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	See Misc. Notes
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	See MISC. Notes
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	No debris or blockage
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	See Misc. Notes
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	See Misc. Notes N/A; removed last week.
6' Temp. Panels	✓				✓	
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers		✓			✓	See Misc. Notes
Utilities					✓	
Survey Stakes		✓			✓	
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	See Misc. Notes

Misc. notes:

4' site fence damaged on Stack Hill; S.W. corner
(9) fence post; 9 tree limbs
utility post markers down (sewer)
utility hoses; 68
Orange barriers placed over utility boxes (5) on Baltimore St.
New Construction: Lot # 28; Heavy Equipment / Material; open excavation
New Construction: Lot # 4; Sidewalk & Street Needs to be clean.
Lot # 23 is missing marker; construction material
Red curb (at) 49th & Villard and 49th & Baltimore
Lot # 30 Rocks?
Silt fence / post Villard & Commercial
lots # 1 & 2 material Ad post down

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 12-15-2013

SIGNED: Harry J. Slough

H&S OFFICER: DATE: 2/18/13

SIGNED: [Signature]



Weekly Site Inspection Report No. STR 2013- 0210

Week of: 02/10 - 02/15, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						See Misc Notes
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic Marketing	✓				✓	
Street Lights:						2/16 LIGHT POLE @ GRAND R.A.B HIT + DAMAGED
Ruston Way	✓			✓	✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter						
CBs						
Filtreras						
Sidewalks:						See Misc Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						REALTOR SIGN IN R.A.B
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	✓				✓	
Cooling Pond – North	✓				✓	
Lot #12	✓				✓	
Lot #10 – West	✓				✓	
Lot #10 – North	✓				✓	
BNSF – A	✓				✓	
OSW02	✓				✓	
Grand – East	✓				✓	OPERATIONAL – / S. WIND INTERFERES
Grand – West	✓			✓		PARTIAL OPERATIONAL / WORK IN PROGRESS
Cascade	✓				✓	
Yacht Club – North	✓				✓	
Yacht Club – South	✓				✓	

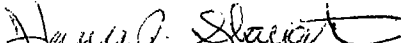
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	✓				✓	
Jersey Barriers	✓				✓	
Baltimore Bridge	✓				✓	

Misc. notes:

Ruston Way; Removed debris from fence line
 Tree limbs West side of Ruston Way
 Sidewalk construction complete; Top Soil & Seed
 Walk Needs to be Clean
 'New' Entry / Exit Grand Ave (Swept 2/17)
 Cooling pond; construction material, debris, pump

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 12-15-2013

SIGNED: 

REVIEWED: DATE: 2/18/13

SIGNED: 



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0210

Week of: 02/10 - 02/17, 2013

Inspector: Kevin Turner

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Area A								
Geomembrane								No TIC
Gravel Cover								
Edge Anchorage								BARE SOIL w/ VEGETATION
Drainage	✓						✓	TACKIFIED BUFFER
Area B								
Geomembrane								No TIC
Gravel Cover								GRASS COVER
Edge Anchorage								TACKIFIED BUFFER
Drainage	✓						✓	
Area C								
Geomembrane								No TIC
Gravel Cover								BARE SOIL w/ VEGETATION
Edge Anchorage								TACKIFIED BUFFER
Drainage								
Area D								
Geomembrane								No TIC
Gravel Cover								BARE SOIL w/ VEGETATION
Edge Anchorage								SOME GRADING NEAR PLAZA
Drainage								
Area E								
Geomembrane								No TIC
Gravel Cover								BARE SOIL
Edge Anchorage								PRE-TICK GRADING
Drainage								
Area F								
Geomembrane	✓						✓	COVER COMPLETED!
Gravel Cover	✓						✓	SAND BAGS
Edge Anchorage	✓						✓	GRASS
Drainage	✓						✓	CONNECTED TO STORM DRAIN
Area G								
Geomembrane	✓						✓	COVER COMPLETED!
Gravel Cover	✓						✓	
Edge Anchorage	✓						✓	
Drainage	✓						✓	PONDING IN SOME AREAS

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 0210
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Area H Geomembrane Sand Bag Cover Edge Anchorage Drainage								40% Cover Completed
	✓						✓	
	✓						✓	
		✓					✓	
								Not Yet Put In
Area I Geomembrane Sand Bag Cover Edge Anchorage Drainage								70% Cover Completed
	✓						✓	
	✓						✓	
		✓					✓	Need To Complete
	✓						✓	
Area J Geomembrane Gravel Cover Edge Anchorage Drainage								No TIC
								Bare Clean Soil
								Area Drains To Sump

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 14 Feb 2013

SIGNED: Kevin Turner

REVIEWED: DATE: 2/16/13

SIGNED: [Signature]



WATERWALK

Weekly Site Inspection Report No. **WW 2013- 8218**

Week of: ^(MM) 2 / ^(DD) 10 - ^(MM) 2 / ^(DD) 11, 2013 Inspector: Pat Wilber

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓				✓	Some gravel on asphalt / mostly ^{mainly} at intersections
Gravel	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
(Other)						
Street Lights:						
Junction Boxes	✓				✓	
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	some tire tracks / rust rings from buckets
Intersection #2:						
Tile						tent on area
Grout						
Paint	✓					
Intersection #3:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	Time marks
Intersection #4:						
Tile						tent on area
Grout						
Paint	✓				✓	
Sprinkler:						
Heads						no paint / tarp cover present / inop at this time
Valve Boxes						

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Landscaping:	Good	Fair	Poor	Yes	No	
Trees	✓				✓	
Plants	✓				✓	
Sprinkler						inop
Bark/Mulch	✓				✓	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓				✓	
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South	✓				✓	CABLE LOCK IN USE
TIC – I/H						NO GATE
Intersection #1	✓				✓	
Intersection #2	✓				✓	
Intersection #3	✓				✓	
Grand Plaza						N/A
Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights						inop INSTALL - IN PROGRESS
Concrete	✓				✓	
Rails	✓				✓	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	✓			✓		DIRT ON TOP OF WALL (NEEDS CLEANING)
Swings	✓				✓	
Chips	✓				✓	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	✓				✓	tails still attached
Tide Pool	✓				✓	some driftwood in rocks

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

2/18/13

SIGNED:

REVIEWED: DATE:

2/18/13

SIGNED:



PENINSULA

Weekly Site Inspection Report No. PEN 2013- 0212

Week of: ^(MM) 2 ^(DD) 10 - ^(MM) 2 ^(DD) 16, 2013 Inspector: Pat Wilber

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	
Exclusion Zone	✓				✓	
Silt	✓				✓	
Source Area:						
Drainage	✓				✓	
BMPs	✓				✓	water silt basin in place
Equipment					✓	
Metro Parks Materials	✓				✓	
Haul Road:						
Road Base	✓					
Gravel Cover	✓					
Drainage	✓					
Metro Parks Materials	✓				✓	water level to none
Peninsula Liner:						
Geomembrane						
Gravel Cover						N O ME
Marker Fabric						
Drainage	✓				✓	
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall	✓				✓	

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 2/13/13

SIGNED: Pat Wilber

H&S OFFICER: DATE: 2/12/13

SIGNED: [Signature]



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0217

Week of: 02/17 - 02/23, 2013 Inspector: Tim Rushoff

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	(SEE NOTES)
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓				✓	
Weeds	✓				✓	
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						WET CONDITIONS
Traffic areas	✓				✓	
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓				✓	
Zone Separation	✓				✓	CONTINUED MAINTENANCE
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	— No Activity —

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0117
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: GATES: GRAND AVENUE GATES BIND ON LOCK PINS DURING WIND CONDITIONS. WORKING ON A FIX.

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun 17	0	1	0	0	24-Hr. Avg. 2 ug/m ³ No Activity
Mon 18	3	1	0	0	24-Hr. Avg. 2 ug/m ³ / TIC 5+6 GRAVEL ANCHOR EDGE / SEDIMENT CAPPING / TEST DRILLING ON LOT 1 / 2A-2B GAS TRENCH
Tue 19	3	1	0	0	24-Hr. Avg. 2 ug/m ³ / PRE-TIC GRADING LOT 3E / TIC 5+6 ANCHOR EDGE / SEDIMENT CAPPING / TEST DRILLING ON LOT 1 / 2A-2B GAS TRENCH
Wed 20	3	1	0	0	24-Hr. Avg. 2 ug/m ³ / VACUUM FILLING HOUSE #1 / EXHAUST FAN (2A) / YACHT CLUB GRADING / SEDIMENT CAPPING / TEST DRILLING ON LOT 59 / 2A-2B GAS TRENCH
Thu 21	3	1	0	0	OCF HW CALIBRATED AFTER NEW MOTOR / 24-Hr. Avg. 2 ug/m ³ / SEDIMENT CAPPING / 2A-2B UTILITY TRENCH / 2A DRIVE SILENCE PROOF
Fri 22	3	1	0	0	24-Hr. Avg. 2 ug/m ³ / 2A-2B UTILITY TRENCH / WGT SITE CONDITIONS / SEDIMENT CAPPING / 2A-2B BACKFILL W/SHOOTER / VACUUM FILLING HOUSE #1 / TRACK
Sat 23	0	1	0	0	24-Hr. Avg. 4 ug/m ³

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	17	38	50	SSE	2	12	0	
Mon	18	38	47	SSE	1	11	.01	LATE NIGHT SHOWERS
Tue	19	34	54	NE	1	7	0	PARTLY CLOUDY
Wed	20	33	47	SSE	1	10	.12	RAIN AFTERNOON + EVENING SHOWERS
Thu	21	39	44	SSE	3	18	.06	SCATTERED SHOWERS
Fri	22	42	46	SSE	4	23	.56	STEADY WIND + RAIN MOST OF DAY
Sat	23	38	51	SSE	3	21	0	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 2/25/13

SIGNED: 

H&S OFFICER: DATE: 2/25/13

SIGNED: 



Weekly Site Inspection Report No. SH 2013- 0217

Week of: 02/17 - 02/23, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						See Misc. Notes
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						See Misc. Notes
Parking Pad	✓				✓	
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						No blockage; All drains are clear.
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						See Misc. Notes
4' Site Perimeter	✓				✓	
6' Temp. Panels	✓				✓	
Street Lights:						
Condition	✓				✓	
Site Markers:						See Misc. Notes
Lot Numbers		✓		✓		
Utilities		✓		✓		
Survey Stakes		✓		✓		
Retaining Walls:						
Baltimore	✓			✓	✓	
Lots 22/23/24	✓			✓	✓	

STACK HILL - Weekly Site Inspection Report No. SH 2013-0217
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

New Construction at Lots 4 & 28; Materials / open excavation
Property line set for Lot 15
Red paint on curb 49th (NO PARKING ZONE)
Utility markers are down / Post missing Lot # 23
Utility hoses (TV CABLE, WATER, ETC)
View Point: Info box is empty
Ad Post are down Lots # 2 & 8
Silt fence corner of Villard & Commercial (OKAY)
Tree limbs on N.W. corner (CUT + LEFT ON SLOPE Below Lot #15)

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02-22-13

SIGNED: Harry J. Slough

H&S OFFICER: DATE: 2/26/13

SIGNED: [Signature]



Weekly Site Inspection Report No. STR 2013- 7217

Week of: 02/17 - 02/23, 2013

Inspector: Harry Slawinski

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filterras	✓				✓	
Sidewalks:						See Misc. Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						See Misc. Notes
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No
Cooling Pond – West	✓				✓
Cooling Pond – North	✓				✓
Lot #12	✓				✓
Lot #10 – West	✓				✓
Lot #10 – North	✓				✓
BNSF – A	✓				✓
OSW02	✓				✓
Grand – East	✓				✓
Grand – West	✓				✓
Cascade	✓				✓
Yacht Club – North	✓				✓
Yacht Club – South	✓				✓

Other:	Good	Fair	Poor	Yes	No
Roundabouts	✓				✓
Jersey Barriers	✓				✓
Baltimore Bridge	✓				✓

Misc. notes:

Fence Panels Scurd on beach / Side Walk Needs cleaning (GRAVEL)
 Tree limbs S.W. Side Ruston Way (Below BN R.O.W.)
 Leaves Need to be remove ON 51st Near Credit Union. LEAVES, DIRT
 AND DEBRIS FLUSHES DOWN 51ST FROM RUSTON STREETS TOWARDS
 BALTIMORE ROUNDABOUT.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

02-22-13

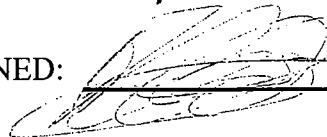
SIGNED:

Harry J. Slaughter

REVIEWED: DATE:

2/26/13

SIGNED:





TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0217

Week of: 2 107 - 2123, 2013 Inspector: KEVIN TURNER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Area A Geomembrane Gravel Cover Edge Anchorage Drainage								No T.I.C.
Area B Geomembrane Gravel Cover Edge Anchorage Drainage								No T.I.C.
Area C Geomembrane Gravel Cover Edge Anchorage Drainage								No T.I.C. NATURAL GRASS
Area D Geomembrane Gravel Cover Edge Anchorage Drainage								No T.I.C. NATURAL GRASS
Area E Geomembrane Gravel Cover Edge Anchorage Drainage								No T.I.C. CUT GRADE
Area F Geomembrane Gravel Cover Edge Anchorage Drainage	✓						✓	No POOLING LOOKS GOOD (SAND BAGS)
Area G Geomembrane Gravel Cover Edge Anchorage Drainage	✓						✓	MAJOR POOLING (SEE NOTES) (SAND BAGS)

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-0217
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Area H								
Geomembrane	✓						✓	NOT FINISHED - 70% DONE
Sand Bag Cover	✓						✓	
Edge Anchorage	✓						✓	HEAVY POOLING
Drainage	✓						✓	
Area I								
Geomembrane	✓					✓	✗	A LITTLE PONDING
Sand Bag Cover	✓						✓	
Edge Anchorage	1	✓					✓	ALMOST DONE
Drainage	✓					✓	✓	* HOLE IN GEOMEMBRANE (NAIL PUNCTURE)
Area J								
Geomembrane								NO T.I.C
Gravel Cover								
Edge Anchorage								BEING GRADED
Drainage								

Misc. notes:

TIC AREA(G) : SITE CREW CUT BACK LINER TO PREP FOR SIDEWALK ALONG 2A DRIVEWAY FROM RUSTON WAY

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 21 FEB 2013 SIGNED: Kevin Turner

REVIEWED: DATE: 2/25/13

SIGNED: [Signature]



WATERWALK

Weekly Site Inspection Report No. WW 2013- 3217

Week of: ^(MM) 2 ^(DD) 11^(MM) - 2 ^(DD) 123, 2013 Inspector: KEVIN TURNER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓				✓	Needs To Be Cleaned
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	STAGE 1 ONLY ➔
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)						
Street Lights:						
Junction Boxes	✓				✓	ALL DONE AND WORKING
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	LOOKS GOOD
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						
Tile	✓					Needs To Be Washed + Swept
Grout	✓					
Paint	✓					
Intersection #2:						
Tile						TENTED Needs To Be FINISHED
Grout	✓					
Paint	✓					
Intersection #3:						
Tile	✓					Needs To Be CLEANED
Grout	✓					
Paint	✓					
Intersection #4:						
Tile						TENTED WORK IN PROGRESS
Grout						
Paint						

WATERWALK - Weekly Site Inspection Report No. WW 2013- 4217
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	✓				✓	
Valve Boxes	✓				✓	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	✓				✓	
Plants	✓				✓	
Grass	✓				✓	
Bark/Mulch	✓				✓	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	✓				✓	
Tables	✓				✓	
Trash Cans	✓				✓	
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South	✓				✓	
TIC – I/H						OPEN
Intersection #1	✓				✓	
Intersection #2	✓				✓	
Intersection #3						OPEN
Grand Plaza						
Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	✓				✓	LIGHT POLE NEEDS TO BE MOVED
Concrete	✓				✓	EQUIPMENT STILL THERE
Rails	✓				✓	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	✓				✓	
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	✓				✓	BEEN RELOCATED
Tide Pool	✓				✓	

Misc. notes (use continuation sheet if necessary):

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

21 Feb 2013

SIGNED:

Kevin Turner

REVIEWED: DATE:

2/26/13

SIGNED:

[Signature]



PENINSULA

Weekly Site Inspection Report No. PEN 2013-0217

Week of: 02/17 - 02/23, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence: Perimeter Exclusion Zone Silt	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	See Misc. Notes
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Source Area: Drainage BMPs Equipment Metro Parks Materials	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage EROSION ??	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Other Features: Shoreline Armoring Habitat Basin City Outfall	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	

Misc. notes:

E Z fence Needs to be repaired or replaced
 NW. Corner silt fence down
 Overall everything is good on the North Peninsula

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02-22-13

SIGNED: Harry J. Slaughter

H&S OFFICER: DATE: 2/26/13

SIGNED: [Signature]



GENERAL SITE

Weekly Site Inspection Report No. **GEN 2013-0224**

Week of: ^(MM) 02/22 - ^(DD) 03/22, 2013 Inspector: Tim Risher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓				✓	
Weeds	✓				✓	
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓			✓		Plastic Working loose on Peninsula - Notified
Packed	✓				✓	
Grass	✓				✓	Good
Dust:						
Traffic areas	✓				✓	
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓				✓	
Zone Separation	✓				✓	ONGOING MAINT.
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0224
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: 02/25/13 - START EXCAVATION ON STACK HILL #15
 02/25/13 EXCAVATOR TOWER VACUUMED HOLE FOR POWER POLE
 02/27/13 INSTALL 4 METHANE MONITORING WELLS ON LOT 1-B.
 03/01/13 OPEN WATERWAY (STAGE 1)
 03/02/13 RE-DO EDWARDS STREET OUTFALL DISCHARGE PIPE.
 FRAMING CONTINUES ON STACK HILL LOTS #4 + 28

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun 24	0	1	0	0	24 HR. AVG. 3 ug/m ³
Mon 25	3	1	0	0	24 HR. AVG. 3 ug/m ³ / STACK HILL #15 EXCAVATION / 2A-2B UTILITIES SEDIMENT CAPPING / VACUUM PUMP HOLE (SEE NW)
Tue 26	3	1	0	0	24 HR. AVG. 2 ug/m ³ / TIC (3-A) GRADING / 2B PLUMBING GROUNDWORK SEDIMENT CAPPING / 2A-2B UTILITIES / TIC (1-A) GRADING
Wed 27	3	1	0	0	24 HR. AVG. 2 ug/m ³ / 2B PLUMBING GROUNDWORK / S.H.#15 EXCAVATE SEDIMENT CAPPING / TIC (1-A) GRADING / 2A-2B UTILITIES / 1-B WELLS
Thu 28	3	1	0	0	24 HR. AVG. 1 ug/m ³ / 2B PLUMBING GROUNDWORK SEDIMENT CAPPING
Fri 1	3	1	0	0	24 HR. AVG. 1 ug/m ³ / 2A-2B GAS TRENCH SEDIMENT CAPPING / S.H.#15 EXCAVATION
Sat 2	3	1	0	0	24 HR. AVG. 1 ug/m ³ EDWARDS OUTFALL RE-PIPE DISCHARGE / SEDIMENT CAPPING

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun 24		40	48	SSE	3	14	0	
Mon 25		36	51	SE	9	30	.11	WIND!
Tue 26		35	50	SE	2	10	0	LIGHT WIND / MOSTLY CLOUDY
Wed 27		41	50	SE	2	9	.01	MOSTLY CLOUDY
Thu 28		43	53	ESE	2	9	.39	SCATTERED AM SHOWERS / OVERCAST
Fri 1		52	61	SE	3	12	.04	LIGHT AM RAIN / MOSTLY CLOUDY w/ SUN BREAKS
Sat 2		40	57	SE	3	21	.42	MOSTLY CLOUDY WITH AFTERNOON WIND + RAIN

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/4/13

SIGNED: [Signature]

H&S OFFICER: DATE: 3/4/13

SIGNED: [Signature]



Weekly Site Inspection Report No. SH 2013-0224

Week of: 02/24 - 03/01, 2013 Inspector: Harry Sawyer

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels	✓				✓	
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers		✓		✓	✓	Lot # 23 Marker is missing See Misc. Notes
Utilities			✓	✓	✓	
Survey Stakes		✓		✓	✓	
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Misc. notes:

Utility hoses; Utility Markers down (Sewer)
Tree branches SW side of Stack Hill;
New construction; Lots 15, 28, 4
Open excavation, heavy equipment, construction materials

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-01-2013

SIGNED: Harry J. Slaughter

H&S OFFICER: DATE: 3/4/12

SIGNED:

Weekly Site Inspection Report No. STR 2013-0224Week of: 02/26 - 03/01, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filterrras	✓				✓	
Sidewalks:						See Misc. Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch		✓			✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	✓				✓	
Cooling Pond – North	✓				✓	
Lot #12	✓				✓	
Lot #10 – West	✓				✓	
Lot #10 – North	✓				✓	
BNSF – A	✓				✓	
OSW02	✓				✓	
Grand – East	✓				✓	New entry
Grand – West	✓				✓	New exit
Cascade	✓				✓	
Yacht Club – North	✓				✓	
Yacht Club – South	✓				✓	

Other:	Good	Fair	Poor	Yes	No	
Roundabouts	✓				✓	
Jersey Barriers	✓				✓	
Baltimore Bridge	✓				✓	

Misc. notes:

Side walk has stains at Water Walk.
 Removed fencing from bay by ferry
 Chain link fencing Removed at Water Walk

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

03-01-2013

SIGNED:

Harry J. Slaughter

REVIEWED: DATE:

3/4/13

SIGNED:

[Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0224

Week of: 02/24 - 03/02, 2013

Inspector: KEVIN TURNER (HARRY SLINGER)

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other <u>METHANE WELLS</u>								GRADING & PREP FOR TIC NEW MONITORING WELLS INSTALLED (4)
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	/							POOLING @ S.E CORNER BY FENCE LINE
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	/						/	
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	/						/	
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	/						/	POOLING BEHIND SNOW BAG DAMS FROM MORNING RAIN S.
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other								No TIC NATURAL GRASS COVER
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other								No TIC

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-0224
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								No TIC
Geomembrane								
Sand Bag Cover								
Anchor Edge Berm								
Drainage								
Other _____								
MMZ								No TIC GRINDING FOR TEMP. ROAD (HARRY S.)
Stock Piles								
Drainage								
Other _____								

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02/28/2013

SIGNED: Kevin Turner (SUPERVISED BY HARRY S.)

REVIEWED: DATE: 02/28/13

SIGNED: [Signature]



WATERWALK

Weekly Site Inspection Report No. WW 2013- 0224

Week of: 02/24 - 03/02, 2013 Inspector: KEVIN TURNER/HARRY S.
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt		✓			✓	NEEDS CLEANING @ ALL INTERSECTIONS TRACK OUT FROM TRAFFIC ON PAVEMENT
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)						
Street Lights:						
Junction Boxes	✓				✓	LIGHTS ON IN DAYLIGHT HOURS
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	
Grout	✓				✓	
Paint	✓				✓	
Intersection #1:						
Tile	✓				✓	NEEDS CLEANING ↓ SAND + STAINS ON PAINT
Grout	✓				✓	
Paint	✓				✓	
Intersection #2:						
Tile	✓				✓	FINALLY COMPLETED
Grout	✓				✓	
Paint	✓				✓	
Intersection #3:						
Tile	✓				✓	NEEDS CLEANING ↓ SAND + STAINS ON PAINT
Grout	✓				✓	
Paint	✓				✓	
Intersection #4:						
Tile						WORK IN PROGRESS
Grout						
Paint						

WATERWALK - Weekly Site Inspection Report No. WW 2013- 0224
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

	Good	Fair	Poor	Yes	No	
Sprinkler:						
Heads	✓				✓	
Valve Boxes	✓				✓	
Landscaping:						
Trees	✓					
Plants	✓					
Grass	✓	✓				HAS FOOTPRINTS IN GRASS
Bark/Mulch	✓					
Hardware:						
Cleat Benches	✓				✓	
Tables						
Trash Cans	✓				✓	
Gates:						
Ferry – South	✓				✓	
TIC – MI 4/3	✓				✓	
Intersection #1	✓				✓	
Intersection #2	✓				✓	CHUTE OPEN
Intersection #3	✓				✓	GATE OPEN
Grand Plaza	✓				✓	RV
Intersection #4	✓				✓	
Peninsula - North	✓				✓	
Grand Plaza:						
Lights	✓				✓	LIGHTS ON STEPS WORKING
Concrete	✓				✓	
Rails	✓				✓	
Big Toy:						
Block Wall	✓				✓	
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:						
Coyotes	✓				✓	
Tide Pool	✓				✓	

Misc. notes (use continuation sheet if necessary):

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

02/28/2013

SIGNED:

Kevin Turner

(SUPERVISED BY)
HARRY S. HARRIS

REVIEWED: DATE:

02/28/13

SIGNED:

[Signature]



PENINSULA

Weekly Site Inspection Report No. PEN 2013- 0224

Week of: ^(MM) 02 / ^(DD) 24 - ^(MM) 03 / ^(DD) 12 , 2013 Inspector: KEVIN TURNER/HARRY S.

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	TRASH ON OUR SIDE OF FENCE
Exclusion Zone		✓		✓		NEED REPAIR ON Haul ROAD
Silt	✓			✓	✓	N.W. CORNER NEEDS REPAIR
Source Area:						
Drainage	✓	✓				* NEED TO SPEAK w/ TIM
BMPs						
Equipment						
Metro Parks Materials						
Haul Road:						
Road Base	✓				✓	
Gravel Cover	✓				✓	
Drainage	✓				✓	
Metro Parks Materials	✓				✓	
Peninsula Liner:						
Geomembrane						N/A
Gravel Cover	✓				✓	
Marker Fabric						N/A
Drainage	✓				✓	
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall	✓				✓	

Misc. notes: E.Z SAFETY FENCE NEEDS REPAIR - 2 PLACES BY METRO PARKS ON Haul ROAD

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02/28/2013 SIGNED: Kevin Turner (SUPERVISED BY HARRY S. SAUNDERS)

H&S OFFICER: DATE: 2/28/13 SIGNED: [Signature]

OUTFALL MONITORING DATA

[illegible]

Table 1. Summary of **February 2013** Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.000	0.00%	0.000	0.00%	0.000	0.00%
OSW2	0.027	5.30%	0.006	1.27%	0.002	0.34%
North Outfall	0.022	4.35%	0.008	1.68%	0.007	1.47%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

** **NOTE:** Sampling has been suspended at the South Outfall due to lack of sample media.
The South Outfall was permanently abandoned on February 15, 2013



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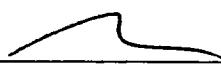
03/13/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter
Date Received: 03/04/2013
Spectra Project: 2013030054

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM0213411	1	Arsenic	0.021	mg/L	EPA 200.8	Liquid	02/11/2013
TSM0213411	1	Copper	0.0077	mg/L	EPA 200.8	Liquid	02/11/2013
TSM0213411	1	Zinc	0.0084	mg/L	EPA 200.8	Liquid	02/11/2013
TSM0213211	2	Arsenic	0.029	mg/L	EPA 200.8	Liquid	02/11/2013
TSM0213211	2	Copper	0.0065	mg/L	EPA 200.8	Liquid	02/11/2013
TSM0213211	2	Zinc	0.0019	mg/L	EPA 200.8	Liquid	02/11/2013
TSM0213418	3	Arsenic	0.021	mg/L	EPA 200.8	Liquid	02/18/2013
TSM0213418	3	Copper	0.0054	mg/L	EPA 200.8	Liquid	02/18/2013
TSM0213418	3	Zinc	0.0040	mg/L	EPA 200.8	Liquid	02/18/2013
TSM0213218	4	Arsenic	0.027	mg/L	EPA 200.8	Liquid	02/18/2013
TSM0213218	4	Copper	0.0068	mg/L	EPA 200.8	Liquid	02/18/2013
TSM0213218	4	Zinc	0.0022	mg/L	EPA 200.8	Liquid	02/18/2013
TSM0213425	5	Arsenic	0.025	mg/L	EPA 200.8	Liquid	02/25/2013
TSM0213425	5	Copper	0.011	mg/L	EPA 200.8	Liquid	02/25/2013
TSM0213425	5	Zinc	0.0094	mg/L	EPA 200.8	Liquid	02/25/2013
TSM0213225	6	Arsenic	0.024	mg/L	EPA 200.8	Liquid	02/25/2013
TSM0213225	6	Copper	0.0052	mg/L	EPA 200.8	Liquid	02/25/2013
TSM0213225	6	Zinc	0.0012	mg/L	EPA 200.8	Liquid	02/25/2013

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Steve Hibbs, Laboratory Manager

a8/scj



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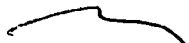
03/13/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter
Date Received: 03/04/2013
Spectra Project: 2013030054

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM0313404	7	Arsenic	0.020	mg/L	EPA 200.8	Liquid	03/04/2013
TSM0313404	7	Copper	0.0094	mg/L	EPA 200.8	Liquid	03/04/2013
TSM0313404	7	Zinc	0.0076	mg/L	EPA 200.8	Liquid	03/04/2013
TSM0313204	8	Arsenic	0.026	mg/L	EPA 200.8	Liquid	03/04/2013
TSM0313204	8	Copper	0.0068	mg/L	EPA 200.8	Liquid	03/04/2013
TSM0313204	8	Zinc	0.0015	mg/L	EPA 200.8	Liquid	03/04/2013

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Steve Hibbs, Laboratory Manager
a8/scj

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March 13, 2013

Point Ruston
5219 N. Shirley St.
Suite 100
Tacoma, WA 98407

Units: ug/L
Spectra Project: 2013030054
Applies to Spectra #'s 1 thru 8

QUALITY CONTROL RESULTS

ICP-MS Metals - EPA Method 200.8 - Water

Method Blank

Date Digested: 3/13/2013 Date Analyzed: 3/13/2013

Element	CAS #	Blank Result
Arsenic	7440-38-2	< 0.5
Copper	7440-50-8	< 0.5
Zinc	7440-66-6	< 0.5

Blank Spike (LCS)

Date Digested: 3/13/2013 Date Analyzed: 3/13/2013

Element	Spike Added	LCS Conc.	LCS %Rec
Arsenic	100.0	97.44	97.4
Copper	100.0	103.90	103.9
Zinc	100.0	97.64	97.6

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

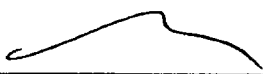
Date Digested: 3/13/2013 Date Analyzed: 3/13/2013
Sample Spiked: 2013030054-1

Element	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc.	MSD %Rec	RPD
Arsenic	20.51	100.0	124.30	103.8	119.00	98.5	5.2
Copper	7.74	100.0	112.50	104.8	106.70	99.0	5.7
Zinc	8.36	100.0	110.80	102.4	105.40	97.0	5.4

Recovery Limits 70-130%

RPD Limit 20

SPECTRA LABORATORIES


Steven G. Hibbs
Laboratory Manager

2013030054

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

[illegible]

Monthly Report 201, February 2013
Operable Unit 02
Asarco Tacoma Smelter Site

PERIMETER
AIR
MONITORING
DATA
(HIGH VOLUME)

Reference	Date	Description
Hi-Vol	01/28 – 03/01	Spectra Laboratories Analysis Reports for As-Pb
Hi-Vol	01/28 – 03/01	IML Air Science (South Gate Hi-Vol only) Particulate Network Summary Reports for TSP-As-Pb



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02/15/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/04/2013
Spectra Project: 2013020054

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8600112	1	Arsenic	0.00090	µg/m3	SW846 6020A	Filter	01/28/2013
8600112	1	Lead	0.0074	µg/m3	SW846 6020A	Filter	01/28/2013
8600111	2	Arsenic	0.00047	µg/m3	SW846 6020A	Filter	01/28/2013
8600111	2	Lead	0.0016	µg/m3	SW846 6020A	Filter	01/28/2013
8600110	3	Arsenic	0.00043	µg/m3	SW846 6020A	Filter	01/29/2013
8600110	3	Lead	0.0014	µg/m3	SW846 6020A	Filter	01/29/2013
8600108	4	Arsenic	0.00070	µg/m3	SW846 6020A	Filter	01/29/2013
8600108	4	Lead	0.0016	µg/m3	SW846 6020A	Filter	01/29/2013
8600107	5	Arsenic	0.00071	µg/m3	SW846 6020A	Filter	01/30/2013
8600107	5	Lead	0.0028	µg/m3	SW846 6020A	Filter	01/30/2013
8600106	6	Arsenic	0.00069	µg/m3	SW846 6020A	Filter	01/30/2013
8600106	6	Lead	0.0012	µg/m3	SW846 6020A	Filter	01/30/2013
8600105	7	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	01/31/2013
8600105	7	Lead	0.0043	µg/m3	SW846 6020A	Filter	01/31/2013
8600104	8	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	01/31/2013
8600104	8	Lead	0.0024	µg/m3	SW846 6020A	Filter	01/31/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj



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02/15/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/04/2013
Spectra Project: 2013020054

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8600103	9	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	02/01/2013
8600103	9	Lead	0.0044	µg/m3	SW846 6020A	Filter	02/01/2013
8600102	10	Arsenic	0.0015	µg/m3	SW846 6020A	Filter	02/01/2013
8600102	10	Lead	0.0041	µg/m3	SW846 6020A	Filter	02/01/2013
8611797	11	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/04/2013
8611797	11	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	02/04/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

2013020054

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS																							
AIR MONITORING		PT Ruston LLC (H1-VOL)																											
SAMPLERS: (Signature)																													
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																								
1/28/13	OCF VI		X		8600112	1	X																						
1/28/13	OCF NW		X		8600111	1	X																						
1/28/13	OCF VI		X		8600110	1	X																						
1/29/13	OCF NW		X		8600108	1	X																						
1/30/13	OCF VI		X		8600107	1	X																						
1/30/13	OCF NW		X		8600106	1	X																						
1/31/13	OCF VI		X		8600105	1	X																						
1/31/13	OCF NW		X		8600104	1	X																						
2/1/13	OCF VI		X		8600103	1	X																						
2/1/13	OCF NW		X		8600102	1	X																						
H1-VOLUME SAMPLER LOG																													
Relinquished (Signature)					Date/Time					Received by: (Signature)					Lab					Shipped via: FedEx, UPS or Other									
[Signature]					2/4/13 15:00					[Signature]					Spectra					Dro 10									
Relinquished (Signature)					Date/Time					Received by: (Signature)					Remarks					Air Bill #									
[Signature]										[Signature]										off									
Relinquished (Signature)					Date/Time					Received for Laboratory by: (Signature)					Date/Time					Enclosed:									
[Signature]										[Signature]										<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter									
COC Form - 7/12										Split Samples: [] Accepted [] Declined										Signature									

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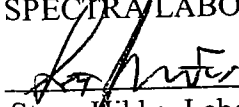
02/28/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/11/2013
Spectra Project: 2013020225

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8600101	1	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	02/04/2013
8600101	1	Lead	0.0077	µg/m3	SW846 6020A	Filter	02/04/2013
8611800	2	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	02/04/2013
8611800	2	Lead	0.0069	µg/m3	SW846 6020A	Filter	02/04/2013
8611799	3	Arsenic	0.00039	µg/m3	SW846 6020A	Filter	02/05/2013
8611799	3	Lead	0.0024	µg/m3	SW846 6020A	Filter	02/05/2013
8611798	4	Arsenic	0.00050	µg/m3	SW846 6020A	Filter	02/05/2013
8611798	4	Lead	0.0024	µg/m3	SW846 6020A	Filter	02/05/2013
8611796	5	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	02/06/2013
8611796	5	Lead	0.0033	µg/m3	SW846 6020A	Filter	02/06/2013
8611795	6	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	02/06/2013
8611795	6	Lead	0.0035	µg/m3	SW846 6020A	Filter	02/06/2013
8611794	7	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	02/07/2013
8611794	7	Lead	0.012	µg/m3	SW846 6020A	Filter	02/07/2013
8611793	8	Arsenic	0.0019	µg/m3	SW846 6020A	Filter	02/07/2013
8611793	8	Lead	0.0043	µg/m3	SW846 6020A	Filter	02/07/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

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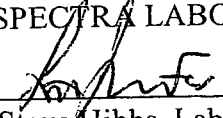
02/28/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/11/2013
Spectra Project: 2013020225

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611792	9	Arsenic	0.0021	µg/m3	SW846 6020A	Filter	02/08/2013
8611792	9	Lead	0.0045	µg/m3	SW846 6020A	Filter	02/08/2013
8611791	10	Arsenic	0.0024	µg/m3	SW846 6020A	Filter	02/08/2013
8611791	10	Lead	0.0051	µg/m3	SW846 6020A	Filter	02/08/2013
8611786	11	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/11/2013
8611786	11	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	02/11/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

1013020 225

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR Monitoring		Pt Ruston LLC (H1-VOL)																		
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
2/4/13	OCE VI		X		8600101	1	X													
2/4/13	OCE NW		X		8611800	1	X													
2/5/13	OCE VI		X		8611799	1	X													
2/5/13	OCE NW		X		8611798	1	X													
2/6/13	OCE VI		X		8611796	1	X													
2/6/13	OCE NW		X		8611795	1	X													
2/7/13	OCE VI		X		8611794	1	X													
2/7/13	OCE NW		X		8611793	1	X													
2/8/13	OCE VI		X		8611792	1	X													
2/8/13	OCE NW		X		8611791	1	X													
2/11/13	Control				8611786	1	X													
2/11/13					H1-VOLUME SAMPLER LOG															
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via FedEx, UPS or Other								
<i>[Signature]</i>			2/11/13 15:00			<i>[Signature]</i>			Spectra			Shipped <i>[Signature]</i>								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
<i>[Signature]</i>						<i>[Signature]</i>														
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed:								
<i>[Signature]</i>						<i>[Signature]</i>						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:																				
[] Accepted [] Declined																				
Signature																				



SPECTRA Laboratories

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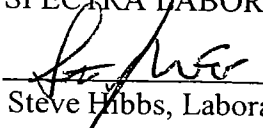
03/08/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 02/19/2013
Spectra Project: 2013020405

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611790	1	Arsenic	0.0015	µg/m3	SW846 6020A	Filter	02/11/2013
8611790	1	Lead	0.0058	µg/m3	SW846 6020A	Filter	02/11/2013
8611789	2	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	02/11/2013
8611789	2	Lead	0.0034	µg/m3	SW846 6020A	Filter	02/11/2013
8611788	3	Arsenic	0.00095	µg/m3	SW846 6020A	Filter	02/12/2013
8611788	3	Lead	0.001	µg/m3	SW846 6020A	Filter	02/12/2013
8611787	4	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	02/12/2013
8611787	4	Lead	0.0019	µg/m3	SW846 6020A	Filter	02/12/2013
8611785	5	Arsenic	0.00082	µg/m3	SW846 6020A	Filter	02/13/2013
8611785	5	Lead	0.0037	µg/m3	SW846 6020A	Filter	02/13/2013
8611784	6	Arsenic	0.00041	µg/m3	SW846 6020A	Filter	02/13/2013
8611784	6	Lead	0.0005	µg/m3	SW846 6020A	Filter	02/13/2013
8611783	7	Arsenic	0.00063	µg/m3	SW846 6020A	Filter	02/14/2013
8611783	7	Lead	0.0044	µg/m3	SW846 6020A	Filter	02/14/2013
8611782	8	Arsenic	0.00072	µg/m3	SW846 6020A	Filter	02/14/2013
8611782	8	Lead	0.0046	µg/m3	SW846 6020A	Filter	02/14/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

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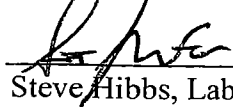
03/08/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 02/19/2013
Spectra Project: 2013020405

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611781	9	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	02/15/2013
8611781	9	Lead	0.0021	µg/m3	SW846 6020A	Filter	02/15/2013
8611780	10	Arsenic	0.00094	µg/m3	SW846 6020A	Filter	02/15/2013
8611780	10	Lead	0.0018	µg/m3	SW846 6020A	Filter	02/15/2013
8611779	11	Arsenic	0.00048	µg/m3	SW846 6020A	Filter	02/16/2013
8611779	11	Lead	0.0015	µg/m3	SW846 6020A	Filter	02/16/2013
8611778	12	Arsenic	0.00067	µg/m3	SW846 6020A	Filter	02/16/2013
8611778	12	Lead	0.0018	µg/m3	SW846 6020A	Filter	02/16/2013
8611773	13	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/18/2013
8611773	13	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	02/18/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj



5219 N. Shirley Street, Suite 100
Ruston, WA 98407
Phone: 253-752-2185
Fax: 253-752-7083

HI-VOLUME SAMPLER LOG

41256.39792							HOURS		54,005.06						
Location	Motor #	Dickson Meter Serial #	Sample # Filter #	Start Date & Time	End Date & Time	Filter Hrs:Min	Meter Start	Meter End	Total Metered Minutes	SCFM	SCF TOTAL	SCMM	SCM TOTAL	Avg. Temp. °F	Avg. Bar. Inch
OCF Vault #1	1110212	8240322	8611790	2/11/13 7:32	2/12/13 7:25	23:53:00	26012.32	26036.21	1,433.40	56.25	80,628.75	1.59	2,281.79	43.8	30.22
OCF NW corner	1092012	5999	8611789	2/11/13 8:02	2/12/13 7:56	23:54:00	54242.48	54266.38	1,434.00	57.50	82,455.00	1.63	2,333.48	43.8	30.22
OCF Vault #1	1110212	8240322	8611788	2/12/13 7:31	2/13/13 7:26	23:55:00	26036.21	26060.13	1,435.20	55.50	79,653.60	1.57	2,254.20	47.4	30.23
OCF NW corner	1092012	5999	8611787	2/12/13 8:00	2/13/13 7:59	23:59:00	54266.38	54290.37	1,439.40	57.25	82,405.65	1.62	2,332.08	47.4	30.23
OCF Vault #1	1110212	8240322	8611785	2/13/13 7:32	2/14/13 7:23	23:51:00	26060.13	26083.99	1,431.60	55.50	79,453.80	1.57	2,248.54	46.4	30.29
OCF NW corner	1092012	5999	8611784	2/13/13 8:04	2/14/13 7:51	23:47:00	54290.37	54314.18	1,428.60	56.50	80,715.90	1.60	2,284.26	46.4	30.29
OCF Vault #1	1110212	8240322	8611783	2/14/13 7:30	2/15/13 7:28	23:58:00	26083.99	26107.95	1,437.60	55.50	79,786.80	1.57	2,257.97	44.9	30.40
OCF NW corner	1092012	5999	8611782	2/14/13 7:56	2/15/13 7:52	23:56:00	54314.18	54338.12	1,436.40	59.50	85,465.80	1.68	2,418.68	44.9	30.40
CONTROL			8611773	2/18/13 0:00		#####			0.00		0.00	0.00	0.00	42.8	30.00
OCF Vault #1		8240322	8611781	2/15/13 8:00	2/16/13 7:55	23:55:00	26107.95	26131.87	1,435.20	53.75	77,142.00	1.52	2,183.12	46.3	30.20
OCF NW corner		5999	8611780	2/15/13 8:00	2/16/13 7:55	23:55:00	54338.12	54362.00	1,432.80	57.25	82,027.80	1.62	2,321.39	46.3	30.20
OCF Vault #1		8240322	8611779	2/16/13 9:01	2/17/13 9:00	23:59:00	26131.87	26155.85	1,438.80	54.50	78,414.60	1.54	2,219.13	45.7	30.30
OCF NW corner		5999	8611778	2/16/13 8:51	2/17/13 8:49	23:58:00	54362.00	54385.97	1,438.20	55.50	79,820.10	1.57	2,258.91	45.7	30.30

REVISED 10/03/2012

CHAIN OF CUSTODY RECORD

2013020405

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		PT Ruston LLC (HI-VOL)																		
SAMPLERS: (Signature)																				
<i>[Signature]</i>																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
2/11/13	OCF-VI		X		8611790	1	X													
2/11/13	OCF-NW		X		8611789	1	X													
2/12/13	OCF-VI		X		8611788	1	X													
2/12/13	OCF-NW		X		8611787	1	X													
2/13/13	OCF-VI		X		8611785	1	X													
2/13/13	OCF-NW		X		8611784	1	X													
2/14/13	OCF-VI		X		8611783	1	X													
2/14/13	OCF-NW		X		8611782	1	X													
2/15/13	OCF-VI		X		8611781	1	X													
2/15/13	OCF-NW		X		8611780	1	X													
2/16/13	OCF-VI		X		8611779	1	X													
2/16/13	OCF-NW		X		8611778	1	X													
2/18/13	Control				8611773	1	X													
2/18/13 HI VOLUME SAMPLER LOG																				
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other								
<i>[Signature]</i>			2/19/13 1515			<i>[Signature]</i>			Spectra			Dron								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
<i>[Signature]</i>						<i>[Signature]</i>														
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed:								
<i>[Signature]</i>						<i>[Signature]</i>						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:																				
[] Accepted [] Declined																				
Signature																				



SPECTRA Laboratories

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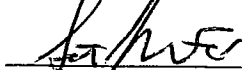
03/08/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/25/2013
Spectra Project: 2013020537

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611777	1	Arsenic	0.0016	µg/m3	SW846 6020A	Filter	02/18/2013
8611777	1	Lead	0.0052	µg/m3	SW846 6020A	Filter	02/18/2013
8611776	2	Arsenic	0.00091	µg/m3	SW846 6020A	Filter	02/18/2013
8611776	2	Lead	0.0017	µg/m3	SW846 6020A	Filter	02/18/2013
8611775	3	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	02/19/2013
8611775	3	Lead	0.0023	µg/m3	SW846 6020A	Filter	02/19/2013
8611774	4	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	02/19/2013
8611774	4	Lead	0.0026	µg/m3	SW846 6020A	Filter	02/19/2013
8611772	5	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	02/20/2013
8611772	5	Lead	0.0024	µg/m3	SW846 6020A	Filter	02/20/2013
8611771	6	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	02/20/2013
8611771	6	Lead	0.0020	µg/m3	SW846 6020A	Filter	02/20/2013
8611770	7	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/21/2013
8611770	7	Lead	0.00026	µg/m3	SW846 6020A	Filter	02/21/2013
8611769	8	Arsenic	0.00034	µg/m3	SW846 6020A	Filter	02/21/2013
8611769	8	Lead	0.0013	µg/m3	SW846 6020A	Filter	02/21/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

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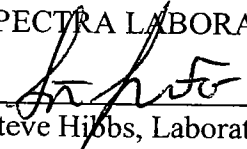
03/08/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 02/25/2013
Spectra Project: 2013020537

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611768	9	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/22/2013
8611768	9	Lead	0.00055	µg/m3	SW846 6020A	Filter	02/22/2013
8611767	10	Arsenic	0.00037	µg/m3	SW846 6020A	Filter	02/22/2013
8611767	10	Lead	0.00083	µg/m3	SW846 6020A	Filter	02/22/2013
8611762	11	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/25/2013
8611762	11	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	02/25/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



5219 N. Shirley Street, Suite 100
Ruston, WA 98407
Phone: 253-752-2185
Fax: 253-752-7083

HI-VOLUME SAMPLER LOG

41256.39792

HOURS

54,005.06

Location	Motor #	Dickson Meter Serial #	Sample # Filter #	Start Date & Time	End Date & Time	Filter Hrs:Min	Meter Start	Meter End	Total Metered Minutes	SCFM	SCF TOTAL	SCMM	SCM TOTAL	Avg. Temp. °F	Avg. Bar. Inch
OCF Vault #1	1110212	8240322	8611777	2/18/13 8:08	2/19/13 7:25	23:17:00	26155.85	26179.14	1,397.40	53.50	74,760.90	1.51	2,115.73	42.5	29.80
OCF NW corner	1092012	5999	8611776	2/18/13 8:33	2/19/13 8:00	23:27:00	54385.97	54409.41	1,406.40	53.75	75,594.00	1.52	2,139.31	42.5	29.80
OCF Vault #1	1110212	8240322	8611775	2/19/13 7:30	2/20/13 7:27	23:57:00	26179.14	26203.10	1,437.60	53.75	77,271.00	1.52	2,186.77	42.7	29.75
OCF NW corner	1092012	5999	8611774	2/19/13 8:05	2/20/13 8:01	23:56:00	54409.41	54433.35	1,436.40	51.75	74,333.70	1.46	2,103.64	42.7	29.75
OCF Vault #1	1110212	8240322	8611772	2/20/13 7:33	2/21/13 7:27	23:54:00	26203.10	26227.01	1,434.60	53.50	76,751.10	1.51	2,172.06	40.2	29.84
OCF NW corner	1092012	5999	8611771	2/20/13 8:05	2/20/13 15:30	7:25:00	54433.35	54457.23	445.00	48.00	21,360.00	1.36	604.49	40.2	29.84
OCF Vault #1	1110212	8240322	8611770	2/21/13 7:33	2/22/13 7:16	23:43:00	26227.01	26250.74	1,423.80	58.25	82,936.35	1.65	2,347.10	42.1	29.93
OCF NW corner	1022113	5999		2/21/13 9:17	2/21/13 10:17	1:00:00	54457.23	54458.23	60.00					42.1	29.93
OCF NW corner	1022113	5999	8611769	2/21/13 10:21	2/22/13 7:46	21:25:00	54457.23	54479.64	1,344.60	53.75	72,272.25	1.52	2,045.30	42.1	29.93
OCF Vault #1	1110212	8240322	8611768	2/22/13 8:00	2/23/13 7:55	23:55:00	26250.74	26274.65	1,434.60	54.25	77,827.05	1.54	2,202.51	42.2	29.71
CONTROL			8611762	2/25/13 0:00		#####			0.00		0.00	0.00	0.00	44.7	30.12
OCF NW corner	1022113	5999	8611767	2/22/13 8:00	2/23/13 7:55	23:55:00	54479.64	54503.55	1,434.60	53.75	77,109.75	1.52	2,182.21	42.2	29.71

REVISED 10/03/2012

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS														
AIR MONITORING		P+ Ruston LLC																			
SAMPLERS: (Signature)																					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																
2/18/13	OCF V1		X		8611777	1	X														
2/18/13	OCF NW		X		8611776	1	X														
2/19/13	OCF V1		X		8611775	1	X														
2/19/13	OCF NW		X		8611774	1	X														
2/20/13	OCF V1		X		8611772	1	X														
2/20/13	OCF NW		X		8611771	1	X														
2/21/13	OCF V1		X		8611770	1	X														
2/21/13	OCF NW		X		8611769	1	X														
2/22/13	OCF V1		X		8611768	1	X														
2/22/13	OCF NW		X		8611767	1	X														
2/25/13	Control				8611762	1	X														
2/25/13 HI VOLUME SAMPLER LOG																					
Relinquished (Signature)						Date/Time				Received by: (Signature)				Lab				Shipped via: FedEx, UPS or Other			
Relinquished (Signature)						Date/Time				Received by: (Signature)				Remarks				Air Bill #			
Relinquished (Signature)						Date/Time				Received for Laboratory by: (Signature)				Date/Time				Enclosed:			
																		<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter			
Split Samples: [] Accepted [] Declined																					
Signature																					

COC Form - 7/12



SPECTRA Laboratories

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03/13/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 03/04/2013
Spectra Project: 2013030053

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611766	1	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	02/25/2013
8611766	1	Lead	0.00045	µg/m3	SW846 6020A	Filter	02/25/2013
8611765	2	Arsenic	0.00047	µg/m3	SW846 6020A	Filter	02/25/2013
8611765	2	Lead	0.00073	µg/m3	SW846 6020A	Filter	02/25/2013
8611764	3	Arsenic	0.00027	µg/m3	SW846 6020A	Filter	02/26/2013
8611764	3	Lead	0.00068	µg/m3	SW846 6020A	Filter	02/26/2013
8611763	4	Arsenic	0.00050	µg/m3	SW846 6020A	Filter	02/26/2013
8611763	4	Lead	0.0011	µg/m3	SW846 6020A	Filter	02/26/2013
8611761	5	Arsenic	0.00084	µg/m3	SW846 6020A	Filter	02/27/2013
8611761	5	Lead	0.0015	µg/m3	SW846 6020A	Filter	02/27/2013
8611760	6	Arsenic	0.0012	µg/m3	SW846 6020A	Filter	02/27/2013
8611760	6	Lead	0.0020	µg/m3	SW846 6020A	Filter	02/27/2013
8611759	7	Arsenic	0.00079	µg/m3	SW846 6020A	Filter	02/28/2013
8611759	7	Lead	0.0021	µg/m3	SW846 6020A	Filter	02/28/2013
8611758	8	Arsenic	0.00027	µg/m3	SW846 6020A	Filter	02/28/2013
8611758	8	Lead	0.00073	µg/m3	SW846 6020A	Filter	02/28/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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03/13/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 03/04/2013
Spectra Project: 2013030053

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611757	9	Arsenic	0.00077	µg/m3	SW846 6020A	Filter	03/01/2013
8611757	9	Lead	0.0012	µg/m3	SW846 6020A	Filter	03/01/2013
8611756	10	Arsenic	0.00074	µg/m3	SW846 6020A	Filter	03/01/2013
8611756	10	Lead	0.0012	µg/m3	SW846 6020A	Filter	03/01/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



2013030053

Point Ruston
Particulate Network Summary - TSP
January 28, 2013 thru February 1, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514135	South Gate	01/28/13	4.7689	4.7757	0.0068	1438	1862	1742	4	4	
514136	South Gate	01/29/13	4.7570	4.7612	0.0042	1419	1837	1722	2	2	
514137	South Gate	01/30/13	4.7702	4.7761	0.0059	1433	1846	1729	3	3	
514138	South Gate	01/31/13	4.7825	4.7954	0.0129	1438	1851	1733	7	7	
514139	South Gate	02/01/13	4.7792	4.8021	0.0229	1435	1828	1707	13	13	

Point Ruston
Particulate Network Summary - As and Pb
January 28, 2013 thru February 1, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514135	South Gate	01/28/13	1742	<2.00	<0.001	<2.00	<0.001	
514136	South Gate	01/29/13	1722	<2.00	<0.001	<2.00	<0.001	
514137	South Gate	01/30/13	1729	<2.00	<0.001	<2.00	<0.001	
514138	South Gate	01/31/13	1733	<2.00	<0.001	2.11	0.001	
514139	South Gate	02/01/13	1707	<2.00	<0.001	4.81	0.002	

Point Ruston
Particulate Network Summary - TSP
February 4, 2013 thru February 8, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514140	South Gate	02/04/13	4.7748	4.8051	0.0303	1435	1818	1718	17	18	
514141	South Gate	02/05/13	4.7795	4.7877	0.0082	1437	1850	1754	4	5	
514143	South Gate	02/07/13	4.7849	4.8196	0.0347	1274	1569	1473	22	24	
514144	South Gate	02/08/13	4.7922	4.8271	0.0349	1435	1817	1687	19	21	

Point Ruston
Particulate Network Summary - As and Pb
February 4, 2013 thru February 8, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514140	South Gate	02/04/13	1718	2.99	0.001	7.23	0.004	
514141	South Gate	02/05/13	1754	<2.00	<0.001	<2.00	<0.001	
514143	South Gate	02/07/13	1473	3.16	0.002	4.21	0.002	
514144	South Gate	02/08/13	1687	3.04	0.001	5.14	0.003	

Point Ruston
Particulate Network Summary - TSP
February 11, 2013 thru February 16, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514145	South Gate	02/11/13	4.8082	4.8289	0.0207	1433	1795	1668	12	12	
514146	South Gate	02/12/13	4.4525	4.4652	0.0127	1433	1967	1840	6	7	
514147	South Gate	02/13/13	4.4504	4.4831	0.0327	1434	2039	1900	16	17	
514148	South Gate	02/14/13	4.4623	4.4917	0.0294	1439	2026	1875	15	16	
514149	South Gate	02/15/13	4.4646	4.5002	0.0356	1435	2011	1879	18	19	
514150	South Gate	02/16/13	4.4431	4.4667	0.0236	1435	2091	1945	11	12	

Point Ruston
Particulate Network Summary - As and Pb
February 11, 2013 thru February 16, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514145	South Gate	02/11/13	1668	3.70	0.002	6.56	0.003	
514146	South Gate	02/12/13	1840	3.35	0.001	4.62	0.002	
514147	South Gate	02/13/13	1900	<2.00	<0.001	<2.00	<0.001	
514148	South Gate	02/14/13	1875	<2.00	<0.001	18.3	0.009	
514149	South Gate	02/15/13	1879	7.31	0.003	28.3	0.015	
514150	South Gate	02/16/13	1945	<2.00	<0.001	2.33	0.001	

Point Ruston
Particulate Network Summary - TSP
February 18, 2013 thru February 22, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514151	South Gate	02/18/13	4.4568	4.4876	0.0308	1403	1975	1856	16	17	
514152	South Gate	02/19/13	4.4552	4.4904	0.0352	1438	2044	1925	17	18	
514153	South Gate	02/20/13	4.3833	4.4077	0.0244	1431	2055	1920	12	13	
514154	South Gate	02/21/13	4.3893	4.4094	0.0201	1423	2023	1892	10	11	
514155	South Gate	02/22/13	4.3874	4.4115	0.0241	1435	2050	1932	12	12	

Point Ruston
Particulate Network Summary - As and Pb
February 18, 2013 thru February 22, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514151	South Gate	02/18/13	1856	<2.00	<0.001	3.59	0.001	
514152	South Gate	02/19/13	1925	<2.00	<0.001	7.11	0.003	
514153	South Gate	02/20/13	1920	<2.00	<0.001	3.73	0.001	
514154	South Gate	02/21/13	1892	<2.00	<0.001	<2.00	<0.001	
514155	South Gate	02/22/13	1932	<2.00	<0.001	<2.00	<0.001	

Point Ruston
Particulate Network Summary - TSP
February 25, 2013 thru March 01, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514156	South Gate	02/25/13	4.3891	4.4266	0.0375	1435	2092	1952	18	19	
514157	South Gate	02/26/13	4.4023	4.4285	0.0262	1436	2082	1936	13	14	
514158	South Gate	02/27/13	4.3895	4.4207	0.0312	1438	2095	1957	15	16	
514159	South Gate	02/28/13	4.3811	4.3924	0.0113	1435	2060	1937	5	6	
514931	South Gate	03/01/13	4.5727	4.6013	0.0286	1435	1878	1783	15	16	

Point Ruston
Particulate Network Summary - As and Pb
February 25, 2013 thru March 01, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514156	South Gate	02/25/13	1952	<2.00	<0.001	<2.00	<0.001	
514157	South Gate	02/26/13	1936	<2.00	<0.001	2.20	0.001	
514158	South Gate	02/27/13	1957	<2.00	<0.001	5.75	0.002	
514159	South Gate	02/28/13	1937	<2.00	<0.001	<2.00	<0.001	
514931	South Gate	03/01/13	1783	<2.00	<0.001	2.31	0.001	

PORTABLE AIR MONITORING DATA (LOW VOLUME)

[illegible]

Monthly Report 201, February 2013
Operable Unit 02
Asarco Tacoma Smelter Site

METHANE
MONITORING
DATA

Reference	Date	Description
Bldg 2B	02/15/13	Gas Monitoring Data Form / Calibration Worksheet
Bldg 2B	Feb. 2013	Methane Monitoring – DATA LOG

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 2/15/13

Name of Sample Collector: Pat Wilcox

Gas Meter Information

Manufacturer: Industrial Scientific Model: M40 / SP40 Serial Number: 0806049-984
 Factory/Service Center Calibration Date of Gas Monitor: November 1, 2011 Pump Rate of Gas Meter: .5 SCFH (0.25 LPM)

Calibration Canister Information

Canister I.D. Lot: A244111 Cyl: — Calibration Gas: O₂, LEL, CO, H₂S, N Canister Exp.: 3/5/13

PRE-SAMPLE CALIBRATION:

Date: 2/15/13

Time: 9:15

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	84	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	12	P				
180339703081	Oxygen	Oxygen	19	37/30.2	P				

SAMPLING RECORD:

Temperature: — Barometric Pressure: — Ground Conditions: wet

Precipitation: 0.0 Tidal Conditions: High

Wind Speed: — Direction: — Other Relevant Conditions: —

Location Well ID#	Sample Tube Purge (N/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		9:35	9:46	0	0	0	20.9	0	
2BW002		9:49	10:00	0	0	0	21.3	0	
2BW003		10:02	10:12	0	0	0	20.9	0	
2BW004		10:14	10:25	0	0	0	21.2	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE: Pat Wilcox

DATE: 2/15/13

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen	Combustible LEL (Methane)
				Reading	TWA	STEL	Reading	Reading
1	Calibrate	2/15/2013 9:13	20	0	0	0	20.9	0
2	Calibrate	2/15/2013 9:16	21	0	0	0	20.9	0
3	2BW001	2/15/2013 9:34	18	0	0	0	20.9	0
3	2BW001	2/15/2013 9:35	19	0	0	0	20.5	0
3	2BW001	2/15/2013 9:36	19	0	0	0	20.5	0
3	2BW001	2/15/2013 9:37	19	0	0	0	20.6	0
3	2BW001	2/15/2013 9:38	18	0	0	0	20.6	0
3	2BW001	2/15/2013 9:39	18	0	0	0	20.7	0
3	2BW001	2/15/2013 9:40	17	0	0	0	20.9	0
3	2BW001	2/15/2013 9:41	17	0	0	0	20.9	0
3	2BW001	2/15/2013 9:42	16	0	0	0	20.9	0
3	2BW001	2/15/2013 9:43	15	0	0	0	20.9	0
3	2BW001	2/15/2013 9:44	15	0	0	0	20.9	0
4	2BW002	2/15/2013 9:48	12	0	0	0	21.5	0
4	2BW002	2/15/2013 9:49	12	0	0	0	21.3	0
4	2BW002	2/15/2013 9:50	12	0	0	0	21.2	0
4	2BW002	2/15/2013 9:51	12	0	0	0	21.1	0
4	2BW002	2/15/2013 9:52	12	0	0	0	20.9	0
4	2BW002	2/15/2013 9:53	12	0	0	0	21.3	0
4	2BW002	2/15/2013 9:54	12	0	0	0	21.1	0
4	2BW002	2/15/2013 9:55	11	0	0	0	20.9	0
4	2BW002	2/15/2013 9:56	11	0	0	0	21.2	0
4	2BW002	2/15/2013 9:57	11	0	0	0	21.1	0
4	2BW002	2/15/2013 9:58	11	0	0	0	21.3	0
5	2BW003	2/15/2013 10:01	10	0	0	0	21.5	0
5	2BW003	2/15/2013 10:02	10	0	0	0	20.9	0
5	2BW003	2/15/2013 10:03	10	0	0	0	21.1	0
5	2BW003	2/15/2013 10:04	10	0	0	0	21.3	0
5	2BW003	2/15/2013 10:05	10	0	0	0	21.1	0
5	2BW003	2/15/2013 10:06	10	0	0	0	20.9	0
5	2BW003	2/15/2013 10:07	10	0	0	0	20.9	0
5	2BW003	2/15/2013 10:08	10	0	0	0	21.1	0
5	2BW003	2/15/2013 10:09	10	0	0	0	20.9	0
5	2BW003	2/15/2013 10:10	10	0	0	0	20.9	0
5	2BW003	2/15/2013 10:11	10	0	0	0	20.9	0
6	2BW004	2/15/2013 10:13	10	0	0	0	21.4	0
6	2BW004	2/15/2013 10:14	10	0	0	0	21.2	0
6	2BW004	2/15/2013 10:15	10	0	0	0	21.3	0
6	2BW004	2/15/2013 10:16	11	0	0	0	21.2	0
6	2BW004	2/15/2013 10:17	11	0	0	0	21.2	0
6	2BW004	2/15/2013 10:18	11	0	0	0	21.3	0
6	2BW004	2/15/2013 10:19	11	0	0	0	21.1	0
6	2BW004	2/15/2013 10:20	11	0	0	0	21.4	0
6	2BW004	2/15/2013 10:21	11	0	0	0	21.3	0
6	2BW004	2/15/2013 10:22	11	0	0	0	21.1	0
6	2BW004	2/15/2013 10:23	11	0	0	0	21.3	0
6	2BW004	2/15/2013 10:24	11	0	0	0	21.2	0
7	Sync	2/16/2013 13:50	21	0	0	0	20.9	0

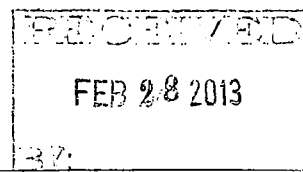
Month of February 2013

[illegible]



SPECTRA Laboratories

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02/22/2013


Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Water Walk
Client ID: CPDP-SAM-61-A
Sample Matrix: Solid
Date Sampled: 02/05/2013
Date Received: 02/05/2013
Spectra Project: 2013020085
Spectra Number: 1

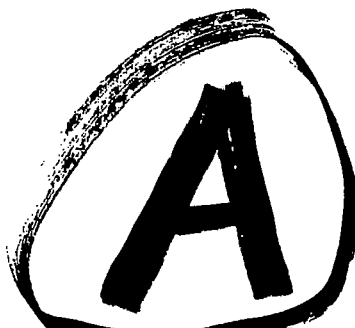
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D
Total Arsenic	< 5	mg/Kg	SW846 6010B
Total Lead	< 4	mg/Kg	SW846 6010B
PCB	<0.01	mg/Kg	SW846 8082A

<u>Surrogate</u>	<u>Recovery</u>	<u>Method</u>
Decachlorobiphenyl	98	SW846 8082A
p-Terphenyl	80	NWTPH-D

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a6/jjb



CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

[illegible]

In-House (XRF)

T.I.C #3 - Haul Road

Two 5-point composite samples from haul road area through T.I.C. area 3

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
3	2/11/2013 10:59	BULK	90	ppm	Final	HHRD-FYI-01-A1	HHRD	A	1		43.09	27.29
4	2/11/2013 11:58	BULK	90	ppm	Final	HHRD-FYI-02-A1	HHRD	A	2		31.63	20.92

Average

37.36	24.11
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B



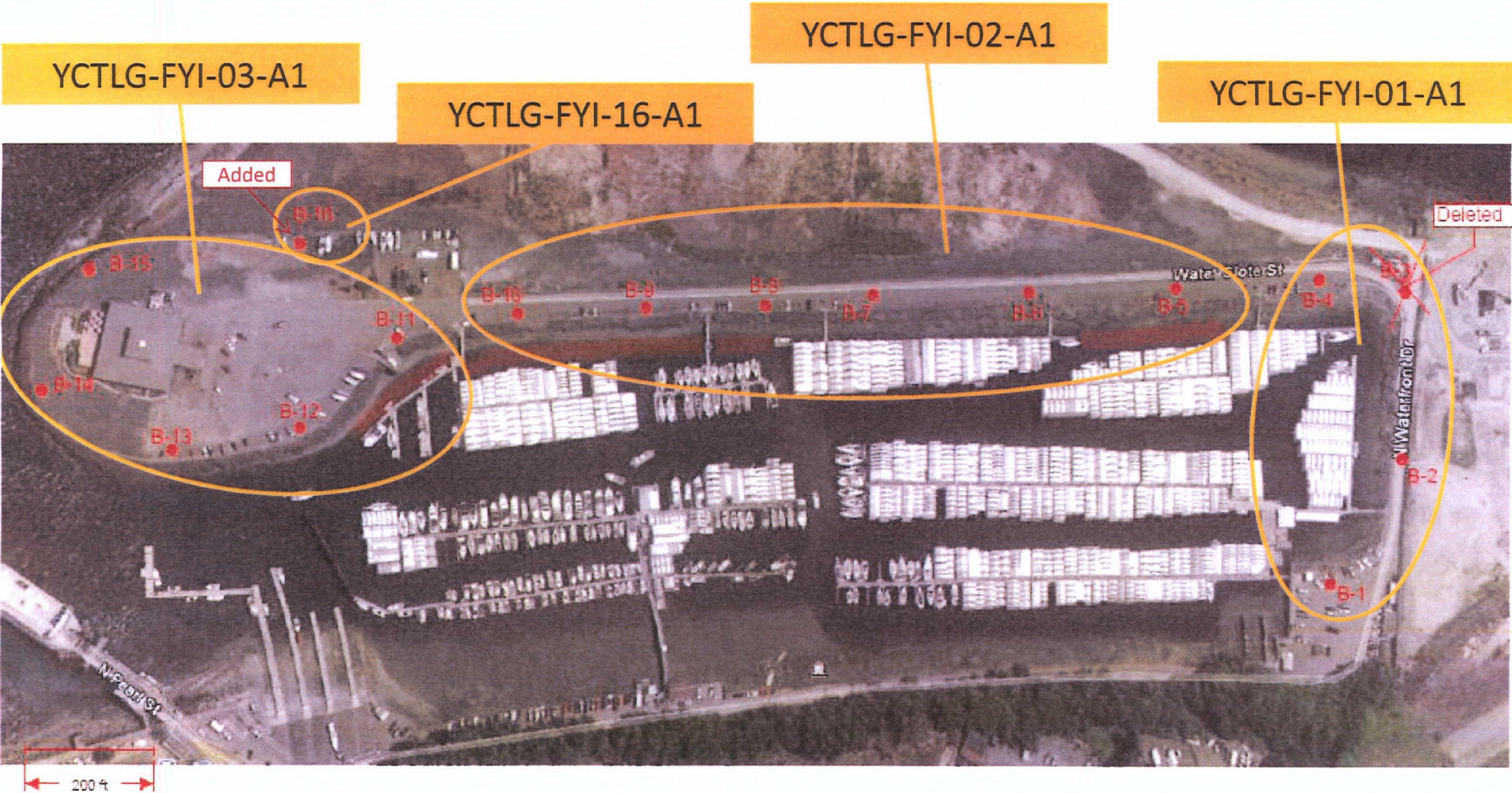
In-House (XRF)

Yacht Club Drilling

Composite samples obtained from tailings contained in barrels corresponding to bore hole locations noted below.

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
4	1/31/2013 12:53	BULK	90	ppm	Final	YCTLG-FYI-01-A1	YCTLG	A	1		959.67	1325.64
4	2/12/2013 11:22	BULK	90	ppm	Final	YCTLG-FYI-03-A1	YCTLG	A	3		5048.86	6248.15
3	2/14/2013 14:02	BULK	90	ppm	Final	YCTLG-FYI-02-A1	YCTLG	A	2		4261.04	2351.36
4	2/14/2013 15:02	BULK	90	ppm	Final	YCTLG-FYI-16-A1	YCTLG	A	16		3412.18	2334.03

Average	3420.44	3064.80
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In-House (XRF)

Concrete Wall (Joe Camel Wall)

Obtained from tailings using star-bit hand chisel for a 6 point composite sample.

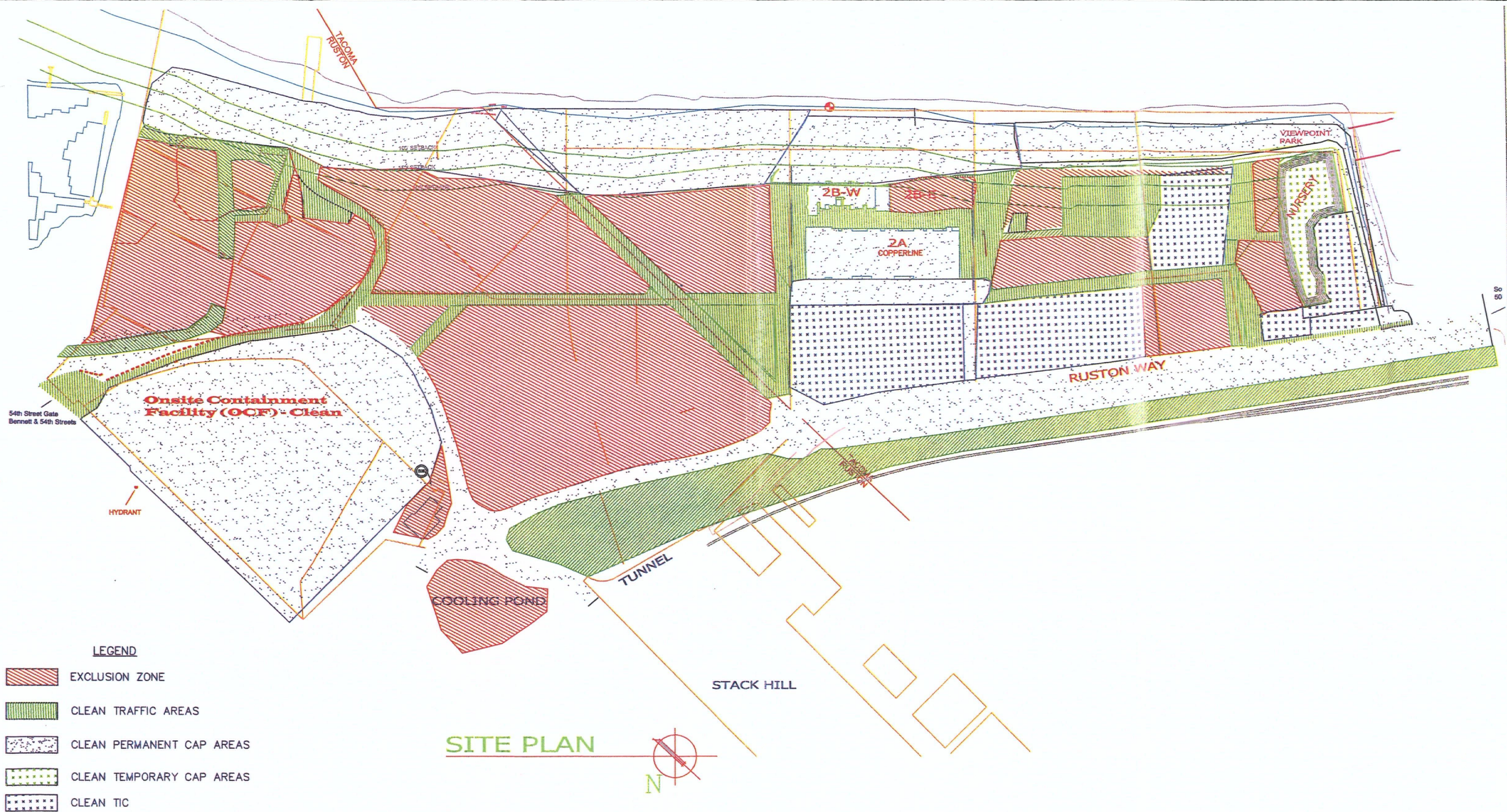
Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
4	2/13/2013 12:44	BULK	90	ppm	Final	CURW-FYI-01-A1	CURW	A	1		49.47	30.57



Monthly Report 201, February 2013
Operable Unit 02
Asarco Tacoma Smelter Site

MISCELLANEOUS
INFORMATION

Reference	Date	Description
Zone Plan	02/07/13	Updated Zone Plan for lower site
Zone Plan	02/12/13	Updated Zone Plan for lower site
Zone Plan	02/19/13	Updated Zone Plan for lower site



2-07-13

REMEDIATION SITE PLAN ZONE LOCATIONS

POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

7931 REGISTERED
ARCHITECT
C.S. DALTON GITTENS
STATE OF WASHINGTON

DATE:
03-02-2012

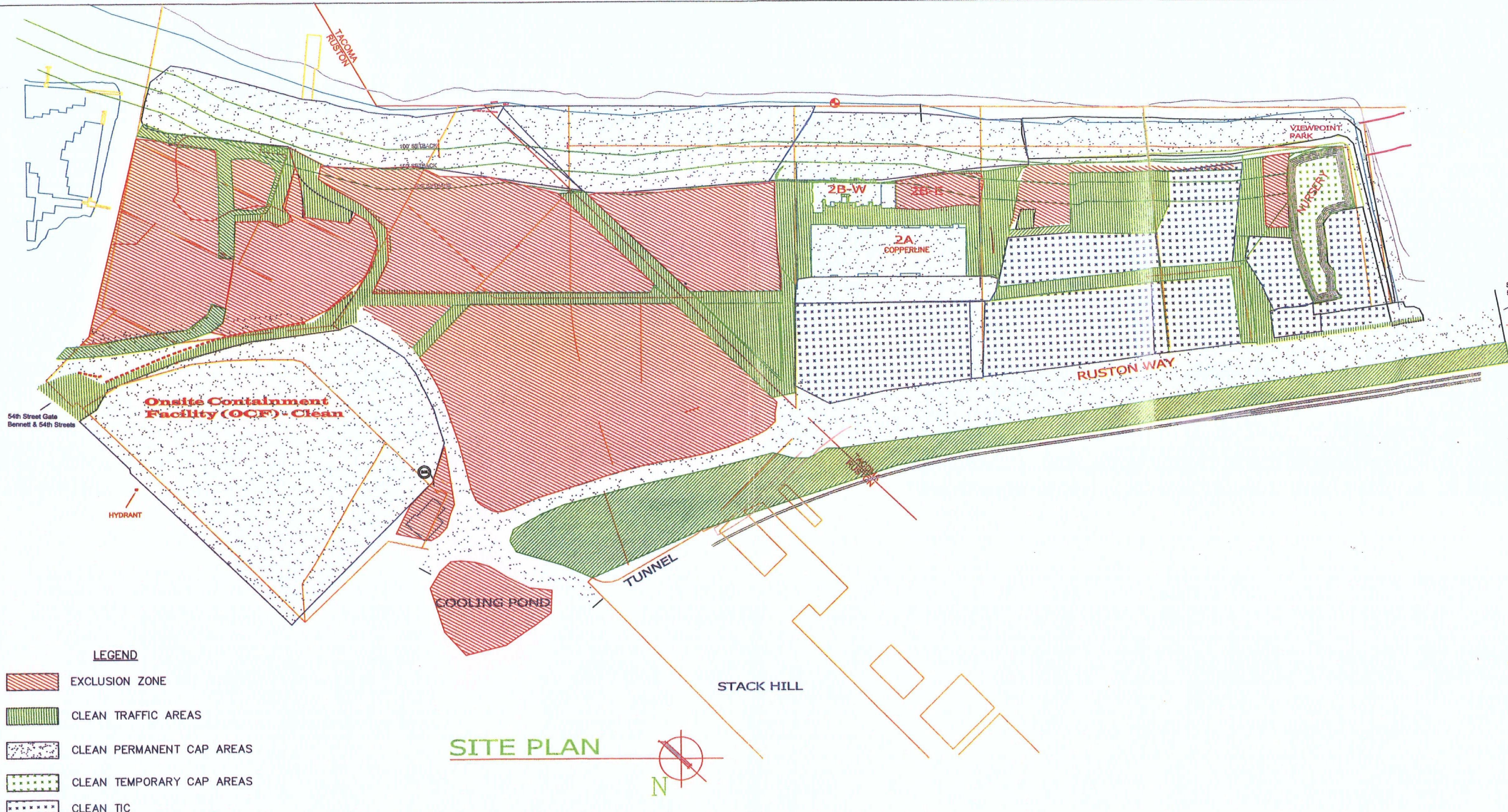
SCALE:
1"=240'

REVISIONS:

A

SHEET NUMBER:

R 01



LEGEND

- EXCLUSION ZONE
- CLEAN TRAFFIC AREAS
- CLEAN PERMANENT CAP AREAS
- CLEAN TEMPORARY CAP AREAS
- CLEAN TIC

SITE PLAN



2-12-13

**REMEDIATION SITE PLAN
ZONE LOCATIONS**

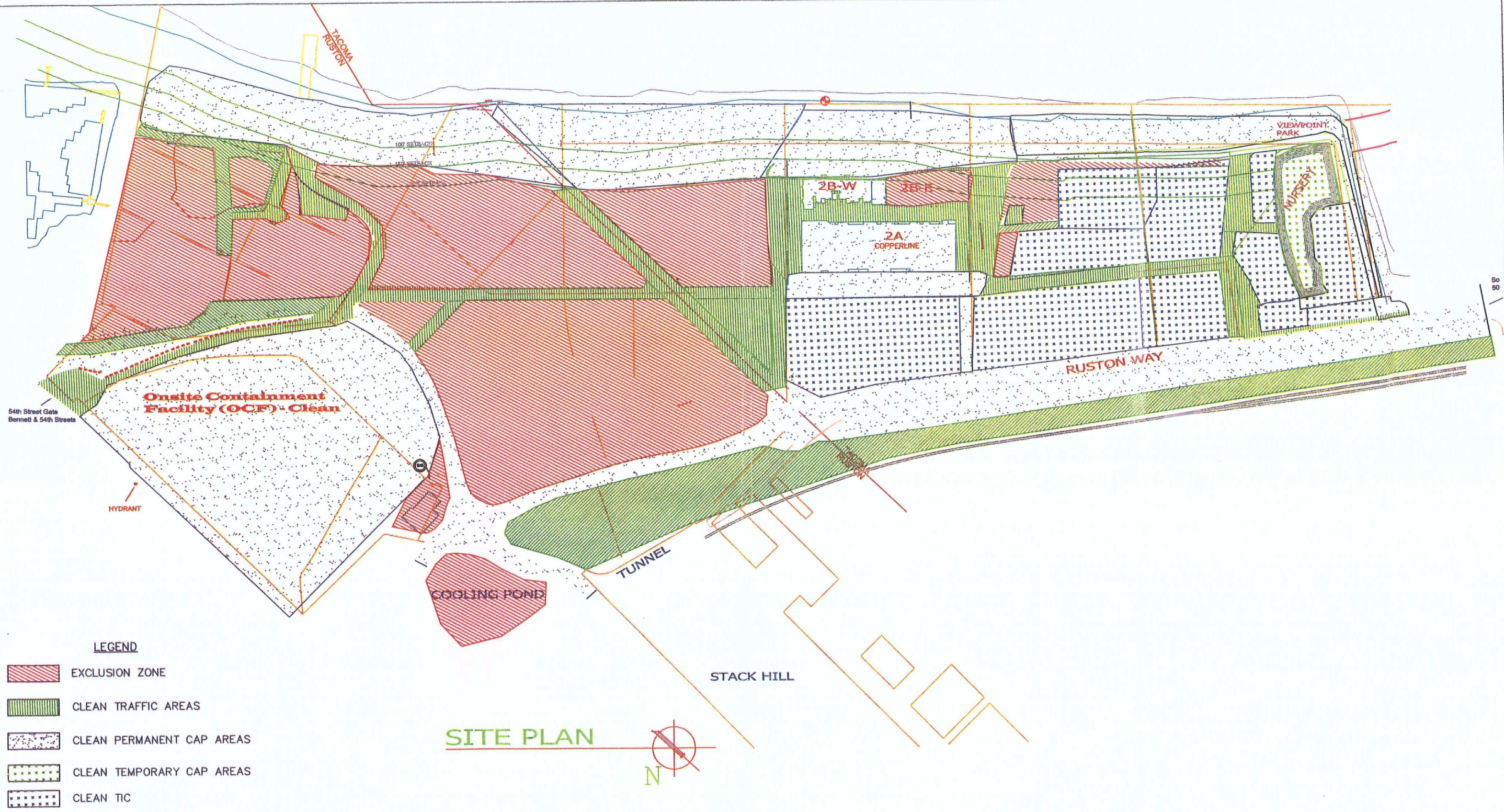
POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

7931 REGISTERED
ARCHITECT
C.S. DALTON GITTENS
STATE OF WASHINGTON

DATE:
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SCALE:
1"=240'

REVISIONS:	
A	

SHEET NUMBER:
R 01



2/19/13

REMEDIATION SITE PLAN ZONE LOCATIONS

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R 01